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# **THE LABOUR FORCE**

## **NEW SOUTH WALES**

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**THE LABOUR FORCE  
NEW SOUTH WALES  
AUGUST 1988**

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**AUSTRALIAN BUREAU OF STATISTICS  
SYDNEY**

Catalogue No. 6201.1

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**INQUIRIES** *If you would like to obtain further information about these statistics, please ring Mr Monty Glass on (02) 268 4212; contact ABS Information Services on (02) 268 4611, at level 3, St. Andrew's House, Sydney Square, Sydney; or write to Information Services, Australian Bureau of Statistics, Box 796 GPO, Sydney 2001.*

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## EXPLANATORY NOTES

*The February 1988 issue of this publication contains a more detailed description of the survey and the definitions used. That issue also includes a comprehensive technical note on data reliability.*

## Introduction

This publication contains estimates of the civilian labour force derived from the labour force survey component of the monthly population survey, which is conducted on a sample basis throughout Australia.

## The population survey

2. This survey consists of the labour force survey and, in most months, one or more supplementary topics. The survey is based on a multi-stage area sample of private dwellings (houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covers slightly less than one-half of one per cent of the population of New South Wales. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the reference week).

## Scope

3. The labour force survey includes all persons aged 15 and over, except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (c) overseas residents in Australia; and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

## Definitions

4. The labour force category to which a person is assigned depends on the actual activity undertaken during the reference week (i.e. whether working, looking for work, etc.). The following definitions which conform closely to the standard definitions specified by the International Labour Office (ILO), relate only to those persons within the scope of the survey.

5. *Employed persons* comprise all civilians aged 15 and over who, during the reference week:

- (a) worked for one hour or more for pay, profit, commission or payment in kind (including employees, employers and self-employed persons) in a job or business, or on a farm; or
- (b) worked for one hour or more without pay in a family business or on a farm (i.e. unpaid family helpers); or
- (c) were employees who had a job but were not at work and were: on paid leave; on leave without pay for less than four weeks up to the end of the reference week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the reference week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or

(d) were employers, self-employed persons or unpaid family helpers who had a job, business or farm, but were not at work.

6. Prior to April 1986, unpaid family helpers who worked for 1 to 14 hours were excluded from the category of employed persons.

7. Employed persons can be classified into:

- (a) *full-time workers* (i.e. those who usually worked 35 hours or more a week (in all jobs) and others who, although usually part-time workers, worked 35 hours or more during the reference week); and
- (b) *part-time workers* (i.e. those who usually worked less than 35 hours a week and who did so during the reference week).

8. *Unemployed persons* are all those aged 15 and over who were not employed during the reference week, and:

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the reference week; and:
  - (i) were available for work in the reference week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the reference week); or
  - (ii) were waiting to start a new job within four weeks from the end of the reference week and would have started in the reference week if the job had been available then; or
- (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the reference week (including the whole of the reference week) for reasons other than bad weather or plant breakdown.

9. *Actively looking for work* includes writing, telephoning or applying in person to an employer for work; answering a newspaper advertisement for a job; checking factory or Commonwealth Employment Service notice-boards; being registered with the Commonwealth Employment Service; checking or registering with any other employment agency; advertising or tendering for work; and contacting friends or relatives.

10. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

11. The *labour force* comprises all persons who, during the reference week, were employed or unemployed as defined above.

12. *Persons not in the labour force* are those who, during the reference week, were not in the categories *employed* or *unemployed* as defined above.

13. The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 and over in the same group.

14. *Duration of unemployment* is the period from the time the person began looking for work or was stood down to the end of the reference week.



15. *Unemployed persons classified by industry and occupation.* Unemployed persons who had worked full-time for two weeks or more in the last two years are classified according to the industry and occupation of their most recent full-time job.

16. *Marital status.* In the labour force survey, persons are classified as married or not married. Persons are classified as *married* if they are reported as being married (including de facto) and their spouse was a usual resident of the household at the time of the survey.

17. *Persons attending school or a tertiary educational institution.* Persons attending school comprise those aged 15 to 19 who, during the reference week, were enrolled full-time at secondary or high schools (including boarding school pupils). Persons attending a tertiary educational institution comprise those aged 15 to 24 who were enrolled full-time at universities, colleges of advanced education, technical colleges, colleges of technical and further education, and theological colleges.

18. *Industry classification.* The classification of industry is in accordance with the Australian Standard Industrial Classification (ASIC) described in *Australian Standard Industrial Classification, Vol. 1 - The Classification* (1983 Edition) (1201.0).

19. *Occupation classification.* Occupation data are presented from August 1986 onwards on the basis of the *Australian Standard Classification of Occupation (ASCO)*, 1986 (1221.0 and 1222.0).

#### Statistical areas of New South Wales

20. The statistical regional structure used in tables 18 to 20 is based on the Australian Standard Geographical Classification (ASGC), Edition 4. For further information concerning statistical areas, please refer to the publications *Regional Statistics, New South Wales*, 1987 (1304.1) and *Australian Standard Geographical Classification* (1216.0).

#### Seasonal adjustment and trend estimation

21. Seasonally adjusted and trend estimation series are included in this publication in Table 2. Seasonal adjustment is a means of removing the estimated effects of normal seasonal variation from the series so that the effects of other influences on the series can be more clearly recognised. Seasonal adjustment does not remove the irregular or non-seasonal influences which may be present in any particular month. Influences that are volatile can still make it difficult to interpret the movement of the series even after adjustment for seasonal variation.

22. Smoothing seasonally adjusted series produces a measure of the underlying trend by reducing the impact of the irregular component of the series. The trend estimates are derived by applying a 13-term Henderson-weighted moving average to the respective seasonally adjusted series. While this smoothing technique enables estimates to be produced which include the latest month, it does result in revisions to the most recent months as additional observations become available.

#### Reliability of the estimates

23. Estimates in this publication are subject to sampling and non-sampling errors. The Technical Note at the end of this publication gives information on these sources of error.

#### Related publications

24. Users may also wish to refer to the following related publications which are available from the ABS Bookshop:

*Regional Statistics, New South Wales* (1304.1) issued annually

*A Guide to Smoothing Time Series - Estimates of 'Trend'* (1316.0)

*Time Series Decomposition - An Overview* (1317.0)

*A Guide to Labour Statistics* (6102.0)

*The Labour Force, Australia (Preliminary Estimates)* (6202.0) issued monthly

*The Labour Force, Australia* (6203.0) issued monthly

*Information Paper: Questionnaires used in the Labour Force Survey* (6232.0)

*Employed Wage and Salary Earners, Australia* (6248.0) issued quarterly

*Information Paper: Labour Force Survey - Sample Design* (6269.0)

*Information Paper: Labour Force Survey - Measuring Teenage Unemployment* (6270.0)

*Technical Paper: The Labour Force, Australia: Preliminary Data on Floppy Disk - Technical Details* (6271.0)

#### Additional data

25. In addition to the labour force survey, the ABS publishes a wide range of supplementary labour market information. For details see *Information Paper: Population Surveys, 1960 to 1985* (1115.1) which is available from the ABS Bookshop.

26. A list of the complete range of publications available from the ABS can be obtained from any ABS Office. Access to a wide range of ABS statistics is also available through the VIATEL videotex system and on AUSSTATS, ABS' on-line service through CSIRONET. Further information about these services can be obtained from the Sydney ABS Information Service on (02) 268 4611, or from any ABS Office.

27. The ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, floppy disk, computer printout, clerically-extracted tabulation. In general, a charge is made for providing unpublished information.

#### Symbols and other usages

- n.a. Not available
- n.e.c. Not elsewhere classified
- r Figure or series revised since previous issue
- Break in continuity of series (where a line is drawn across a column between two consecutive figures)
- \* Subject to sampling variability too high for most practical purposes.

28. Figures have been rounded and discrepancies may occur between sums of the component items and the totals shown.

## SUMMARY OF FINDINGS

### The Labour Force

In August 1988, there were an estimated 2,702,900 persons (1,607,400 males and 1,095,500 females) in the labour force. This is an increase of 92,000 (3.5 per cent) since August 1987. Of the persons in the labour force, 2,510,200 were employed and 192,700 were unemployed. (See Table 1.)

### Employment

In the twelve months to August 1988, total employment rose by 119,800 (5.0 per cent). Female employment growth of 69,300 (7.3 per cent) was greater than male employment growth of 50,500 (3.5 per cent). Over 86 per cent of the increase in employment was in full-time employment. (See Table 1.)

After accounting for seasonal factors, the trend estimate series indicates a continued, but reduced rate of employment growth in recent months. (See Table 2.)

### Industry and Occupation

During the twelve months to August 1988, the industries that made the strongest contribution to the growth in employment were Wholesale and Retail Trade (46,500), Community Services (25,200) and Agriculture, Forestry Fishing and Hunting (21,100). Clerical occupations accounted for 38,500 of the increase and Tradespersons, 27,000 of the increase. (See Tables 7 and 8.)

### Unemployment

Between August 1987 and August 1988, the number of unemployed persons fell by 27,800 (12.6 per cent) to 192,700. This decrease was mainly attributed to the decrease in the number of males looking for full-time work (16,900). Over the same period, the unemployment rate declined by 1.3 percentage points to 7.1 per cent. (See Table 1.)

The trend estimate series indicates that after a continuous decrease since mid-1987, male unemployment appears to have stabilised in recent months while female unemployment continues to decrease. (See Table 2.)

### Duration of unemployment

The average duration of unemployment has changed little from 58.5 weeks in August 1987 to 58.8 weeks in August 1988. Over the same period, the number of persons unemployed for 1 year or more, fell by 11,200 (14.7 per cent) to 65,000. (See Table 13.)

### Participation in the labour force

The trend estimate series indicates a downward trend in the participation rate in recent months for both men and women. (See Table 2.)

### Regions of New South Wales

In August 1988, low unemployment rates were recorded in Lower Northern Sydney (3.3 per cent) and St George-Sutherland (3.6 per cent). High unemployment rates were recorded in Fairfield-Liverpool (13.5 per cent), Richmond-Tweed and Mid-North Coast (12.6 per cent), and the combined region Fairfield-Liverpool and Outer South Western Sydney (11.8 per cent). (See Table 18.)

Fairfield-Liverpool and Outer South Western Sydney, Newcastle and Hunter recorded youth unemployment rates greater than 20 per cent. (See Table 20.)

Although the level of employment growth over the last 12 months was similar in Sydney (61,100) compared to the Balance of New South Wales (58,700) the rate of growth was greater in the country (7.0 per cent) than in Sydney (3.9 per cent). (See Tables 16 and 17.)



Reversing a recent trend, unemployment fell more in Sydney (16,800 or 13.8 per cent) than in the Balance of New South Wales (11,000 or 11.1 per cent) during the last year; and the unemployment rate remained below that of the country (6.1 per cent and 9.0 per cent respectively). (See tables 16 and 17.)

In addition, the labour force participation rate in the Balance of New South Wales increased by 1.8 percentage points to 59.4 per cent, whereas the rate increased by only half of a percentage point to 61.9 per cent in Sydney. (See tables 16 and 17.)

## **Teenagers (15-19 years)**

### ***Employment***

In August 1988, there were 208,500 employed teenagers in New South Wales, an increase of 16,200 (8.4 per cent) since August 1987. Over 65 per cent of employed teenagers were working full-time. Part-time employed teenagers were predominantly full-time students. (See Tables 4 and 6.)

### ***Unemployment***

The number of unemployed teenagers (39,500) has changed little since August 1987. However, the teenage unemployment rate has decreased from 18.2 per cent to 15.9 per cent over the same period. (See Tables 10 and 11.)

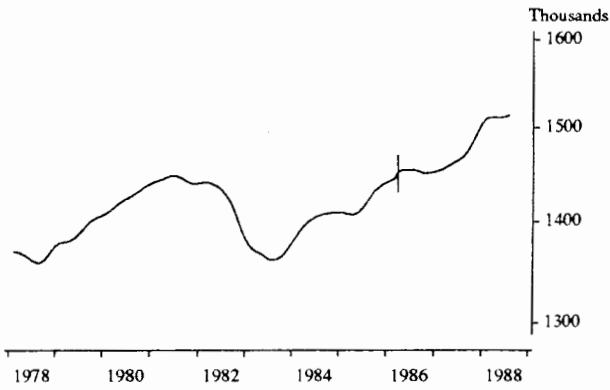
Almost a third of unemployed teenagers were attending school or a tertiary educational institution full-time. Even though these teenagers were full-time students they had taken active steps to look for work and were available to start work in the survey week. Most of these students were looking for part-time work. (See Table 4.)

### ***Participation in the labour force***

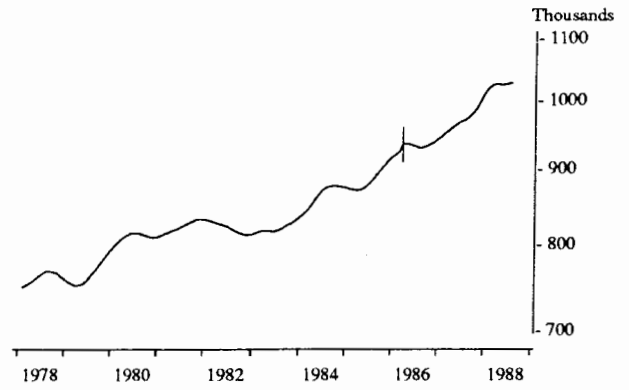
Just over one quarter of teenagers in full-time education were also in the labour force (by working or looking for work). In contrast, 90.8 per cent of teenagers not in full-time education were participating in the labour force. A very small proportion of teenagers (3.9 per cent) were neither participating in the labour force nor attending full-time education. (See Table 4.)

## TREND SERIES, NEW SOUTH WALES

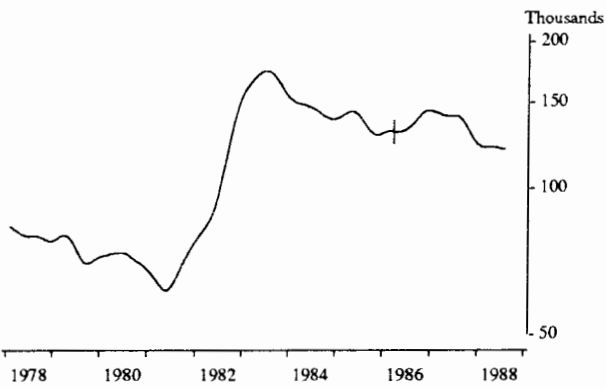
EMPLOYED MALES (a)



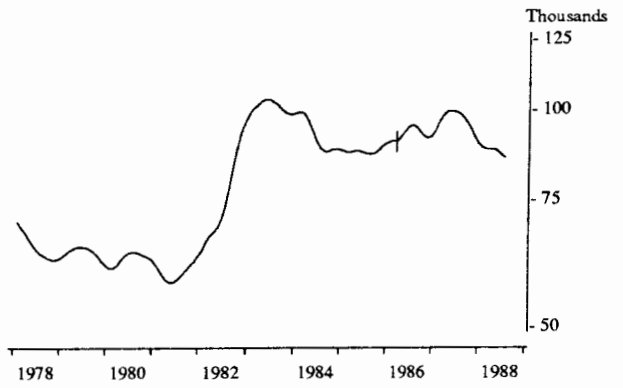
EMPLOYED FEMALES (a)



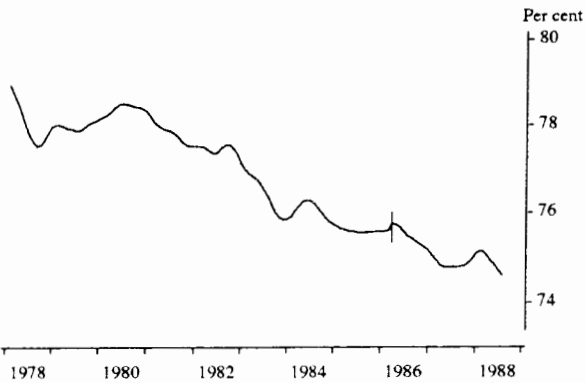
UNEMPLOYED MALES (a)



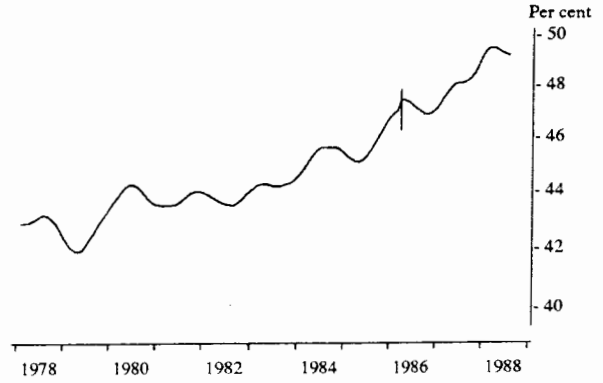
UNEMPLOYED FEMALES (a)



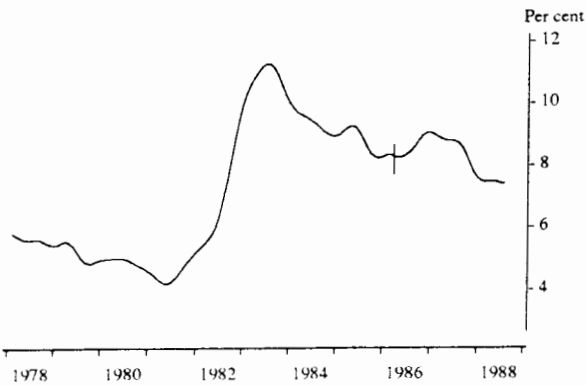
MALE PARTICIPATION RATE (a)



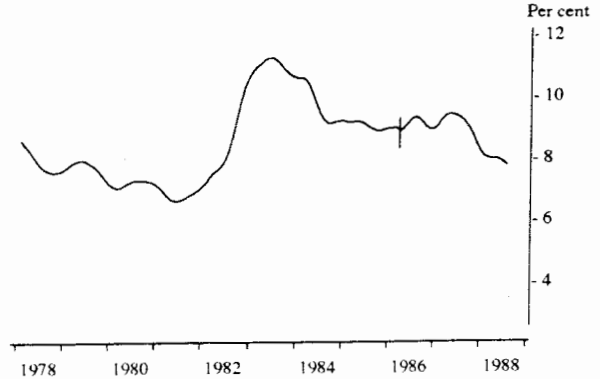
FEMALE PARTICIPATION RATE (a)



MALE UNEMPLOYMENT RATE



FEMALE UNEMPLOYMENT RATE



(a) These graphs have been drawn using a semi-logarithmic vertical scale to facilitate comparisons of rates of growth in series of differing magnitude.  
 | Indicates a change in definition, see Explanatory Note 6.

TABLE 1. LABOUR FORCE STATUS, N.S.W.

Month	Employed			Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
MALES											
1984: August	1,298.5	88.1	1,386.6	137.1	7.3	144.4	1,531.0	495.2	2,026.2	9.4	75.6
1985: August	1,313.3	<u>84.4</u>	<u>1,397.7</u>	<u>130.5</u>	<u>7.2</u>	<u>137.7</u>	<u>1,535.4</u>	<u>516.8</u>	2,052.2	<u>9.0</u>	<u>74.8</u>
1986: August	1,337.0	93.4	1,430.4	118.1	9.1	127.1	1,557.5	537.2	2,094.7	8.2	74.4
1987: June	1,353.5	101.9	1,455.4	127.6	8.0	135.6	1,591.0	544.2	2,135.1	8.5	74.5
July	1,371.4	91.8	1,463.1	131.6	8.0	139.5	1,602.7	535.7	2,138.4	8.7	74.9
August	1,337.9	104.2	1,442.2	122.1	7.6	129.7	1,571.9	569.7	2,141.6	8.3	73.4
1988: May	1,391.1	104.5	1,495.6	107.3	12.3	119.6	1,615.2	555.6	2,170.8	7.4	74.4
June	1,403.7	104.5	1,508.2	104.3	10.3	114.6	1,622.8	550.9	2,173.7	7.1	74.7
July	1,411.1	93.3	1,504.5	105.5	6.3	111.8	1,616.3	561.3	2,177.6	6.9	74.2
August	1,392.0	100.7	1,492.7	105.2	9.5	114.8	1,607.4	574.0	2,181.4	7.1	73.7
MARRIED FEMALES											
1984: August	284.0	216.7	500.7	18.8	11.7	30.5	531.1	697.0	1,228.2	5.7	43.2
1985: August	283.4	<u>217.8</u>	<u>501.2</u>	<u>20.2</u>	<u>11.5</u>	<u>31.7</u>	<u>532.9</u>	<u>699.8</u>	1,232.7	<u>6.0</u>	<u>43.2</u>
1986: August	305.5	246.8	552.3	19.7	12.9	32.6	584.9	687.0	1,271.9	5.6	46.0
1987: June	320.5	256.4	576.9	25.6	13.3	38.9	615.8	664.0	1,279.8	6.3	48.1
July	329.1	255.5	584.6	27.7	12.1	39.7	624.3	666.7	1,291.0	6.4	48.4
August	322.9	256.8	579.7	25.2	13.3	38.5	618.2	673.4	1,291.5	6.2	47.9
1988: May	340.7	269.4	610.1	23.5	15.9	39.3	649.4	672.6	1,322.0	6.1	49.1
June	346.0	275.7	621.7	20.9	13.1	34.0	655.7	667.9	1,323.6	5.2	49.5
July	351.0	268.7	619.7	17.6	10.8	28.4	648.1	668.5	1,316.6	4.4	49.2
August	344.0	279.0	623.0	21.5	9.2	30.7	653.7	677.3	1,330.9	4.7	49.1
ALL FEMALES											
1984: August	561.9	299.6	861.5	54.7	20.3	74.9	936.5	1,162.6	2,099.1	8.0	44.6
1985: August	570.4	<u>299.4</u>	<u>869.8</u>	<u>59.9</u>	<u>20.5</u>	<u>80.4</u>	<u>950.2</u>	<u>1,175.7</u>	2,125.9	<u>8.5</u>	<u>44.7</u>
1986: August	583.2	330.8	914.0	63.3	23.6	86.9	1,000.9	1,166.5	2,167.5	8.7	46.2
1987: June	601.5	358.9	960.5	67.2	23.2	90.4	1,050.8	1,155.0	2,205.9	8.6	47.6
July	613.0	356.4	969.4	70.2	22.0	92.2	1,061.6	1,148.0	2,209.6	8.7	48.0
August	593.2	355.0	948.2	65.1	25.6	90.8	1,039.0	1,174.3	2,213.2	8.7	46.9
1988: May	644.3	367.3	1,011.6	61.0	26.5	87.5	1,099.1	1,144.5	2,243.5	8.0	49.0
June	638.9	373.3	1,012.2	60.5	23.4	83.9	1,096.1	1,150.5	2,246.6	7.7	48.8
July	652.1	366.8	1,018.9	53.9	18.3	72.2	1,091.1	1,159.4	2,250.5	6.6	48.5
August	643.3	374.2	1,017.5	55.1	22.9	78.0	1,095.5	1,158.8	2,254.3	7.1	48.6
PERSONS											
1984: August	1,860.4	387.7	2,248.1	191.8	27.6	219.4	2,467.5	1,657.8	4,125.3	8.9	59.8
1985: August	1,883.7	<u>383.8</u>	<u>2,267.6</u>	<u>190.3</u>	<u>27.7</u>	<u>218.0</u>	<u>2,485.6</u>	<u>1,692.4</u>	4,178.0	<u>8.8</u>	<u>59.5</u>
1986: August	1,920.2	424.2	2,344.4	181.4	32.7	214.1	2,558.5	1,703.7	4,262.2	8.4	60.0
1987: June	1,955.0	460.8	2,415.9	194.7	31.2	225.9	2,641.8	1,699.2	4,341.0	8.6	60.9
July	1,984.3	448.2	2,432.5	201.8	29.9	231.7	2,664.3	1,683.7	4,347.9	8.7	61.3
August	1,931.2	459.2	2,390.4	187.2	33.3	220.5	2,610.9	1,744.0	4,354.9	8.4	60.0
1988: May	2,035.3	471.8	2,507.2	168.3	38.8	207.1	2,714.3	1,700.0	4,414.3	7.6	61.5
June	2,042.7	477.8	2,520.4	164.7	33.7	198.5	2,718.9	1,701.4	4,420.3	7.3	61.5
July	2,063.2	460.2	2,523.4	159.4	24.6	184.0	2,707.4	1,720.7	4,428.0	6.8	61.1
August	2,035.3	474.9	2,510.2	160.3	32.4	192.7	2,702.9	1,732.8	4,435.7	7.1	60.9

TABLE 2. LABOUR FORCE STATUS : SEASONALLY ADJUSTED AND TREND SERIES, N. S. W.

Month	Seasonally adjusted series					Trend series (a)				
	Employed ( <sup>'000</sup> )	Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)	Employed ( <sup>'000</sup> )	Unemp- loyed ( <sup>'000</sup> )	Labour force ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
MALES										
1984: August	1,400.2	147.6	1,547.8	9.5	76.4	1,400.5	141.0	1,541.5	9.1	76.1
1985: August	<u>1,412.8</u>	<u>140.8</u>	<u>1,553.6</u>	<u>9.1</u>	<u>75.7</u>	<u>1,413.3</u>	<u>134.5</u>	<u>1,547.8</u>	<u>8.7</u>	<u>75.4</u>
1986: August	1,446.9	130.3	1,577.2	8.3	75.3	1,447.9	130.4	1,578.3	8.3	75.3
1987: June	1,456.7	136.5	1,593.3	8.6	74.6	1,456.3	137.5	1,593.8	8.6	74.6
July	1,463.5	144.3	1,607.8	9.0	75.2	1,458.8	137.5	1,596.3	8.6	74.6
August	1,459.1	133.1	1,592.3	8.4	74.3	1,462.1	136.7	1,598.8	8.6	74.7
September	1,468.0	134.3	1,602.2	8.4	74.7	1,467.0	134.6	1,601.6	8.4	74.7
October	1,471.0	134.2	1,605.1	8.4	74.7	1,473.6	130.9	1,604.5	8.2	74.7
November	1,476.2	127.1	1,603.3	7.9	74.5	1,481.9	126.4	1,608.3	7.9	74.7
December	1,491.0	121.7	1,612.7	7.5	74.8	1,490.3	122.5	1,612.8	7.6	74.8
1988: January	1,506.1	119.4	1,625.5	7.3	75.3	1,497.8	119.9	1,617.7	7.4	74.9
February	1,501.4	111.2	1,612.6	6.9	74.6	1,502.8	118.6	1,621.4	7.3	75.0
March	1,509.5	117.7	1,627.1	7.2	75.2	1,505.0	118.3	1,623.3	7.3	75.0
April	1,506.9	128.3	1,635.1	7.8	75.4	1,505.3	118.6	1,623.9	7.3	74.9
May	1,494.7	118.2	1,612.9	7.3	74.3	1,505.1	118.7	1,623.8	7.3	74.8
June	1,509.8	115.3	1,625.1	7.1	74.8	1,505.5	118.2	1,623.7	7.3	74.7
July	1,504.8	115.5	1,620.3	7.1	74.4	1,506.1	117.6	1,623.7	7.2	74.6
August	1,510.4	117.9	1,628.3	7.2	74.6	1,507.2	117.2	1,624.4	7.2	74.5
FEMALES										
1984: August	871.5	83.6	955.2	8.8	45.5	867.2	87.3	954.5	9.1	45.5
1985: August	880.0	88.8	968.8	9.2	45.6	878.1	85.6	963.7	8.9	45.3
1986: August	925.2	95.1	1,020.3	9.3	47.1	923.3	93.7	1,017.1	9.2	46.9
1987: June	959.7	95.8	1,055.5	9.1	47.8	957.6	98.2	1,055.7	9.3	47.9
July	965.7	99.8	1,065.5	9.4	48.2	960.7	97.9	1,058.6	9.2	47.9
August	960.0	98.7	1,058.7	9.3	47.8	963.2	97.4	1,060.6	9.2	47.9
September	967.8	91.6	1,059.3	8.6	47.8	966.6	96.6	1,063.2	9.1	48.0
October	976.4	95.1	1,071.5	8.9	48.3	972.1	95.2	1,067.3	8.9	48.1
November	962.9	98.4	1,061.3	9.3	47.7	980.7	93.1	1,073.7	8.7	48.3
December	988.6	92.8	1,081.4	8.6	48.5	991.6	90.6	1,082.2	8.4	48.6
1988: January	1,018.7	86.8	1,105.5	7.9	49.5	1,002.9	88.6	1,091.5	8.1	48.9
February	1,009.2	81.1	1,090.3	7.4	48.8	1,011.8	87.4	1,099.2	8.0	49.2
March	1,019.9	83.5	1,103.4	7.6	49.3	1,016.7	86.9	1,103.6	7.9	49.3
April	1,027.6	93.1	1,120.7	8.3	50.0	1,018.2	86.9	1,105.0	7.9	49.3
May	1,010.4	89.5	1,099.9	8.1	49.0	1,017.8	86.9	1,104.6	7.9	49.2
June	1,011.3	89.0	1,100.3	8.1	49.0	1,017.9	86.3	1,104.2	7.8	49.1
July	1,014.9	77.9	1,092.8	7.1	48.6	1,018.5	85.3	1,103.9	7.7	49.1
August	1,030.2	84.6	1,114.8	7.6	49.5	1,020.3	84.4	1,104.7	7.6	49.0
PERSONS										
1984: August	2,271.7	231.3	2,503.0	9.2	60.7	2,267.7	228.3	2,496.0	9.1	60.5
1985: August	<u>2,292.8</u>	<u>229.6</u>	<u>2,522.4</u>	<u>9.1</u>	<u>60.4</u>	<u>2,291.4</u>	<u>220.1</u>	<u>2,511.5</u>	<u>8.8</u>	<u>60.1</u>
1986: August	2,372.2	225.3	2,597.5	8.7	60.9	2,371.3	224.1	2,595.4	8.6	60.9
1987: June	2,416.4	232.3	2,648.8	8.8	61.0	2,413.9	235.7	2,649.6	8.9	61.0
July	2,429.2	244.0	2,673.2	9.1	61.5	2,419.5	235.4	2,654.9	8.9	61.1
August	2,419.1	231.9	2,651.0	8.7	60.9	2,425.3	234.1	2,659.4	8.8	61.1
September	2,435.7	225.8	2,661.6	8.5	61.0	2,433.6	231.2	2,664.8	8.7	61.1
October	2,447.3	229.3	2,676.6	8.6	61.3	2,445.8	226.1	2,671.8	8.5	61.2
November	2,439.1	225.5	2,664.6	8.5	60.9	2,462.5	219.5	2,682.0	8.2	61.3
December	2,479.6	214.5	2,694.1	8.0	61.5	2,481.9	213.1	2,695.0	7.9	61.5
1988: January	2,524.8	206.2	2,731.0	7.6	62.2	2,500.7	208.5	2,709.2	7.7	61.7
February	2,510.6	192.3	2,702.9	7.1	61.5	2,514.6	206.0	2,720.6	7.6	61.9
March	2,529.4	201.2	2,730.6	7.4	62.0	2,521.7	205.2	2,726.9	7.5	61.9
April	2,534.5	221.4	2,755.9	8.0	62.5	2,523.5	205.5	2,729.0	7.5	61.9
May	2,505.2	207.7	2,712.9	7.7	61.5	2,522.9	205.5	2,728.4	7.5	61.8
June	2,521.1	204.3	2,725.4	7.5	61.7	2,523.3	204.5	2,727.8	7.5	61.7
July	2,519.6	193.4	2,713.1	7.1	61.3	2,524.7	202.9	2,727.6	7.4	61.6
August	2,540.6	202.5	2,743.1	7.4	61.8	2,527.5	201.6	2,729.1	7.4	61.5

(a) Trend series data for the most recent months have been revised. See Explanatory Note 22.

TABLE 3. LABOUR FORCE STATUS AND AGE, N. S. W., AUGUST 1988

Age group (years)	Employed			Unemployed			Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Civilian population aged 15 and over ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
	Full-time workers ( <sup>'000</sup> )	Part-time workers ( <sup>'000</sup> )	Total ( <sup>'000</sup> )	Looking for full- time work ( <sup>'000</sup> )	Looking for part- time work ( <sup>'000</sup> )	Total ( <sup>'000</sup> )					
MALES											
15 - 19	76.4	28.8	105.2	15.9	4.6	20.5	125.7	111.8	237.5	16.3	52.9
20 - 24	166.6	13.7	180.3	21.9	*	24.3	204.5	17.5	222.0	11.9	92.1
25 - 34	391.0	15.0	406.0	24.7	*	25.7	431.7	31.4	463.1	6.0	93.2
35 - 44	374.2	12.4	386.6	15.9	*	16.5	403.0	24.0	427.1	4.1	94.4
45 - 54	237.2	10.3	247.5	15.6	*	15.6	263.1	39.2	302.2	5.9	87.0
55 - 59	86.9	4.7	91.6	6.9	*	7.2	98.9	34.3	133.2	7.3	74.2
60 - 64	43.4	8.8	52.3	*	*	4.8	57.0	70.8	127.8	8.3	44.6
65 and over	16.4	6.9	23.3	*	*	*	23.5	245.0	268.5	*	8.7
Total	1,392.0	100.7	1,492.7	105.2	9.5	114.8	1,607.4	574.0	2,181.4	7.1	73.7
MARRIED FEMALES											
15 - 19	*	*	*	*	*	*	*	*	8.4	*	*
20 - 24	32.1	10.4	42.5	*	*	5.1	47.5	26.8	74.4	10.7	63.9
25 - 34	96.0	81.9	177.9	7.7	*	11.8	189.7	144.5	334.2	6.2	56.8
35 - 44	119.5	105.1	224.6	4.8	*	6.9	231.5	111.4	342.9	3.0	67.5
45 - 54	68.1	57.2	125.3	*	*	4.7	130.0	100.0	230.0	3.6	56.5
55 - 59	16.8	13.8	30.5	*	*	*	30.8	71.0	101.8	*	30.3
60 - 64	6.5	6.7	13.2	*	*	*	13.5	75.4	88.9	*	15.2
65 and over	*	*	6.8	*	*	*	6.8	143.7	150.5	*	4.5
Total	344.0	279.0	623.0	21.5	9.2	30.7	653.7	677.3	1,330.9	4.7	49.1
ALL FEMALES											
15 - 19	60.0	43.3	103.3	12.3	6.7	19.0	122.3	106.7	229.0	15.5	53.4
20 - 24	117.0	24.3	141.3	15.4	4.5	19.9	161.2	56.7	217.9	12.3	74.0
25 - 34	172.8	96.4	269.2	13.2	5.6	18.8	288.0	177.2	465.2	6.5	61.9
35 - 44	154.6	116.6	271.2	8.4	*	12.0	283.2	133.5	416.7	4.2	68.0
45 - 54	96.5	63.4	159.9	5.3	*	6.5	166.4	121.9	288.3	3.9	57.7
55 - 59	24.5	15.6	40.1	*	*	*	40.7	90.1	130.8	*	31.1
60 - 64	11.7	9.7	21.4	*	*	*	22.4	110.2	132.6	*	16.9
65 and over	6.2	4.8	11.0	*	*	*	11.3	362.5	373.8	*	3.0
Total	643.3	374.2	1,017.5	55.1	22.9	78.0	1,095.5	1,158.8	2,254.3	7.1	48.6
PERSONS											
15 - 19	136.4	72.1	208.5	28.2	11.2	39.5	248.0	218.5	466.5	15.9	53.2
20 - 24	283.5	38.1	321.6	37.3	6.8	44.1	365.7	74.2	439.9	12.1	83.1
25 - 34	563.8	111.5	675.2	37.9	6.7	44.5	719.8	208.6	928.4	6.2	77.5
35 - 44	528.8	129.0	657.8	24.3	*	28.5	686.2	157.5	843.8	4.1	81.3
45 - 54	333.7	73.7	407.4	20.9	*	22.1	429.5	161.1	590.5	5.1	72.7
55 - 59	111.4	20.4	131.7	7.5	*	7.8	139.5	124.4	263.9	5.6	52.9
60 - 64	55.1	18.6	73.7	*	*	5.7	79.4	181.0	260.4	7.2	30.5
65 and over	22.6	11.7	34.3	*	*	*	34.7	607.5	642.3	*	5.4
Total	2,035.3	474.9	2,510.2	160.3	32.4	192.7	2,702.9	1,732.8	4,435.7	7.1	60.9

TABLE 4. PERSONS AGED 15 TO 24: LABOUR FORCE STATUS AND FULL-TIME ATTENDANCE AT SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION, N. S. W., AUGUST 1988

Age (years)	Employed			Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
ATTENDING SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME											
15 - 19	*	53.7	55.2	*	10.5	12.6	67.8	200.2	268.0	18.6	25.3
15	*	12.1	12.3	*	*	*	15.9	69.0	84.9	*	18.7
16	*	15.6	16.2	*	*	*	20.5	50.2	70.8	*	29.0
17	*	14.9	14.9	*	*	*	16.2	42.1	58.2	*	27.8
18	*	6.5	6.8	*	*	*	8.5	25.9	34.4	*	24.7
19	*	4.7	5.0	*	*	*	6.7	13.0	19.7	*	34.1
20 - 24	*	12.4	14.9	*	*	*	18.9	24.3	43.2	*	43.7
20	*	5.0	5.5	*	*	*	7.5	9.6	17.1	*	43.9
21	*	*	*	*	*	*	*	5.8	9.6	*	*
22	*	*	*	*	*	*	*	*	7.0	*	*
23	*	*	*	*	*	*	*	*	4.9	*	*
24	*	*	*	*	*	*	*	*	4.7	*	*
Total aged 15 - 24	*	66.1	70.1	*	14.1	16.6	86.7	224.5	311.2	19.1	27.8
NOT ATTENDING SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION FULL-TIME (a)											
15 - 19	135.0	18.4	153.3	26.1	*	26.8	180.2	18.3	198.5	14.9	90.8
15	*	*	*	*	*	*	5.6	*	7.2	*	77.7
16	13.0	4.6	17.6	6.4	*	6.4	24.0	*	26.3	26.8	91.3
17	28.0	4.8	32.8	*	*	*	36.9	*	39.3	*	93.7
18	40.6	*	44.1	7.0	*	7.3	51.3	4.8	56.1	14.1	91.5
19	49.5	5.3	54.8	7.6	*	7.6	62.4	7.2	69.6	12.2	89.7
20 - 24	281.1	25.6	306.7	37.0	*	40.2	346.9	49.9	396.7	11.6	87.4
20	51.4	*	54.0	6.4	*	7.1	61.1	8.3	69.4	11.6	88.1
21	55.0	4.9	59.9	8.5	*	8.9	68.8	8.1	77.0	13.0	89.4
22	56.0	6.6	62.6	7.5	*	8.5	71.1	8.7	79.8	12.0	89.2
23	61.8	*	65.9	5.9	*	6.2	72.0	11.2	83.2	8.5	86.6
24	57.0	7.4	64.3	8.6	*	9.5	73.8	13.6	87.4	12.8	84.4
Total aged 15 - 24	416.0	44.0	460.0	63.1	*	67.0	527.0	68.2	595.2	12.7	88.5
TOTAL											
15 - 19	136.4	72.1	208.5	28.2	11.2	39.5	248.0	218.5	466.5	15.9	53.2
15	*	12.3	16.4	*	*	5.0	21.4	70.6	92.1	23.3	23.3
16	13.7	20.1	33.8	7.3	*	10.7	44.5	52.5	97.0	24.1	45.9
17	28.0	19.7	47.6	4.5	*	5.4	53.0	44.5	97.6	10.2	54.4
18	40.9	9.9	50.8	7.0	*	9.0	59.8	30.7	90.5	15.0	66.1
19	49.7	10.0	59.8	8.0	*	9.4	69.1	20.2	89.3	13.6	77.4
20 - 24	283.5	38.1	321.6	37.3	6.8	44.1	365.7	74.2	439.9	12.1	83.1
20	51.9	7.5	59.5	6.7	*	9.1	68.6	17.9	86.4	13.3	79.3
21	55.5	8.2	63.7	8.5	*	8.9	72.6	13.9	86.5	12.3	83.9
22	56.2	8.2	64.5	7.5	*	10.0	74.4	12.3	86.8	13.4	85.8
23	62.5	5.6	68.1	5.9	*	6.4	74.5	13.6	88.1	8.6	84.6
24	57.3	8.5	65.9	8.6	*	9.7	75.6	16.5	92.1	12.9	82.1
Total aged 15 - 24	420.0	110.1	530.1	65.5	18.1	83.6	613.7	292.7	906.4	13.6	67.7

(a) Includes institutionalised persons.

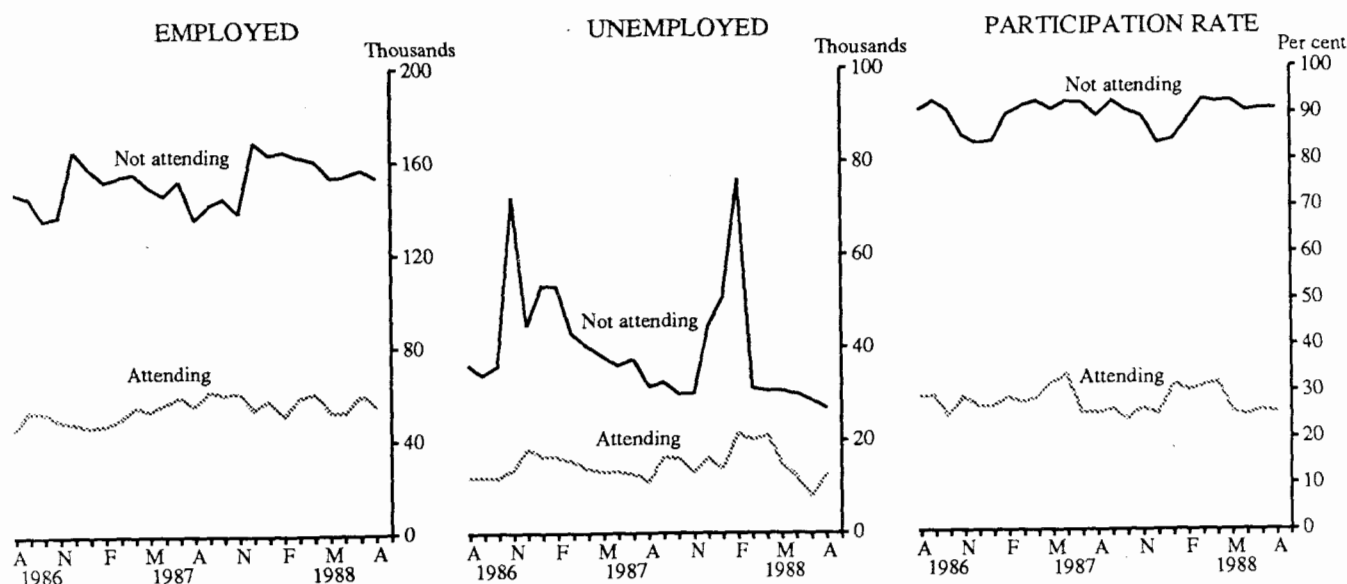


TABLE 5. LABOUR FORCE STATUS AND FAMILY STATUS, N. S. W., AUGUST 1988

Family status	Employed			Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
Member of a family	1,654.7	414.4	2,069.1	124.0	25.6	149.6	2,218.8	1,319.7	3,538.5	6.7	62.7
Husband	907.8	39.2	947.0	47.1	*	48.7	995.8	282.6	1,278.3	4.9	77.9
With children aged 0-14 present	522.5	13.2	535.7	28.0	*	28.5	564.2	34.1	598.3	5.1	94.3
Without children aged 0-14 present	385.3	26.1	411.3	19.2	*	20.2	431.6	248.5	680.0	4.7	63.5
With dependants present	590.6	16.0	606.6	30.1	*	30.9	637.5	45.6	683.1	4.9	93.3
Without dependants present	317.2	23.3	340.5	17.0	*	17.8	358.3	237.0	595.2	5.0	60.2
Wife	327.1	268.3	595.3	19.9	8.4	28.3	623.6	638.7	1,262.3	4.5	49.4
With children aged 0-14 present	124.2	171.6	295.8	12.0	7.0	19.0	314.8	263.2	578.0	6.0	54.5
Without children aged 0-14 present	202.9	96.6	299.5	7.9	*	9.3	308.8	375.5	684.3	3.0	45.1
With dependants present	152.3	194.3	346.5	12.7	7.3	20.0	366.5	296.8	663.3	5.5	55.3
Without dependants present	174.8	74.0	248.8	7.2	*	8.3	257.1	341.9	599.0	3.2	42.9
Not-married male family head	20.0	*	21.0	*	*	*	22.9	14.1	37.0	*	62.0
With children aged 0-14 present	5.7	*	5.9	*	*	*	6.6	*	9.2	*	71.5
Without children aged 0-14 present	14.3	*	15.1	*	*	*	16.4	11.4	27.8	*	58.9
With dependants present	9.5	*	10.0	*	*	*	10.9	*	13.8	*	79.0
Without dependants present	10.5	*	11.0	*	*	*	12.0	11.2	23.2	*	51.9
Not-married female family head	39.9	21.2	61.1	4.8	*	8.1	69.2	106.3	175.5	11.7	39.4
With children aged 0-14 present	19.0	15.8	34.8	*	*	6.7	41.5	52.9	94.4	16.0	43.9
Without children aged 0-14 present	20.9	5.4	26.3	*	*	*	27.7	53.4	81.1	*	34.2
With dependants present	24.2	17.1	41.3	4.6	*	7.4	48.7	58.1	106.8	15.2	45.6
Without dependants present	15.7	*	19.8	*	*	*	20.5	48.2	68.7	*	29.8
Full-time student aged 15-24(a)	*	56.0	59.1	*	10.6	13.1	72.2	190.5	262.7	18.2	27.5
Other child of family head	327.3	28.1	355.4	42.4	*	43.3	398.7	34.0	432.7	10.9	92.1
Other relative of family head	29.6	*	30.2	5.7	*	6.2	36.4	53.6	90.0	17.0	40.4
Not a member of a family	281.7	38.0	319.8	27.4	5.2	32.6	352.3	259.3	611.6	9.2	57.6
Living alone	125.6	15.3	140.9	10.3	*	11.8	152.7	214.2	366.9	7.7	41.6
Not living alone	156.1	22.8	178.9	17.1	*	20.7	199.6	45.2	244.8	10.4	81.6
Not family coded	98.8	22.5	121.3	8.9	*	10.5	131.8	153.8	285.6	8.0	46.2
<b>Total</b>	<b>2,035.3</b>	<b>474.9</b>	<b>2,510.2</b>	<b>160.3</b>	<b>32.4</b>	<b>192.7</b>	<b>2,702.9</b>	<b>1,732.8</b>	<b>4,435.7</b>	<b>7.1</b>	<b>60.9</b>

(a) Excludes persons aged 20-24 attending school.

## PERSONS AGED 15 TO 19: FULL-TIME ATTENDANCE AT SCHOOL OR A TERTIARY EDUCATIONAL INSTITUTION



**TABLE 6. EMPLOYED PERSONS : AGE, N. S. W.**  
(<sup>'000</sup>)

Month	Age group (years)								Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 59	60 - 64	65 and over	
MALES									
1987: August	102.7	166.4	393.0	363.6	251.0	95.7	48.0	21.9	1,442.2
1988: May	108.5	175.4	411.2	382.7	250.4	89.5	55.8	21.9	1,495.6
June	110.2	178.0	410.2	389.1	252.1	91.5	53.3	23.8	1,508.2
July	111.1	181.7	405.4	386.3	249.5	91.0	55.9	23.5	1,504.5
August	105.2	180.3	406.0	386.6	247.5	91.6	52.3	23.3	1,492.7
MARRIED FEMALES									
1987: August	*	42.2	174.3	199.8	115.4	30.3	12.7	*	579.7
1988: May	*	40.0	178.5	215.9	125.2	29.4	11.4	6.2	610.1
June	*	44.2	180.2	220.3	126.3	29.3	11.7	6.5	621.7
July	*	42.4	181.6	219.5	124.3	30.2	11.6	6.8	619.7
August	*	42.5	177.9	224.6	125.3	30.5	13.2	6.8	623.0
ALL FEMALES									
1987: August	89.6	142.5	258.4	246.3	144.2	39.9	18.7	8.6	948.2
1988: May	98.5	151.2	271.7	262.6	154.9	42.6	19.8	10.3	1,011.6
June	97.2	147.5	270.9	265.8	159.3	40.9	20.2	10.4	1,012.2
July	105.8	141.3	274.9	266.5	157.5	42.5	20.4	10.0	1,018.9
August	103.3	141.3	269.2	271.2	159.9	40.1	21.4	11.0	1,017.5
PERSONS									
1987: August	192.3	308.9	651.3	609.9	395.1	135.6	66.7	30.5	2,390.4
1988: May	207.0	326.6	682.9	645.3	405.4	132.1	75.5	32.2	2,507.2
June	207.3	325.5	681.1	655.0	411.3	132.4	73.5	34.2	2,520.4
July	216.9	323.0	680.3	652.8	407.0	133.5	76.3	33.5	2,523.4
August	208.5	321.6	675.2	657.8	407.4	131.7	73.7	34.3	2,510.2

### ANNUAL PERCENTAGE CHANGE IN EMPLOYMENT BY AGE

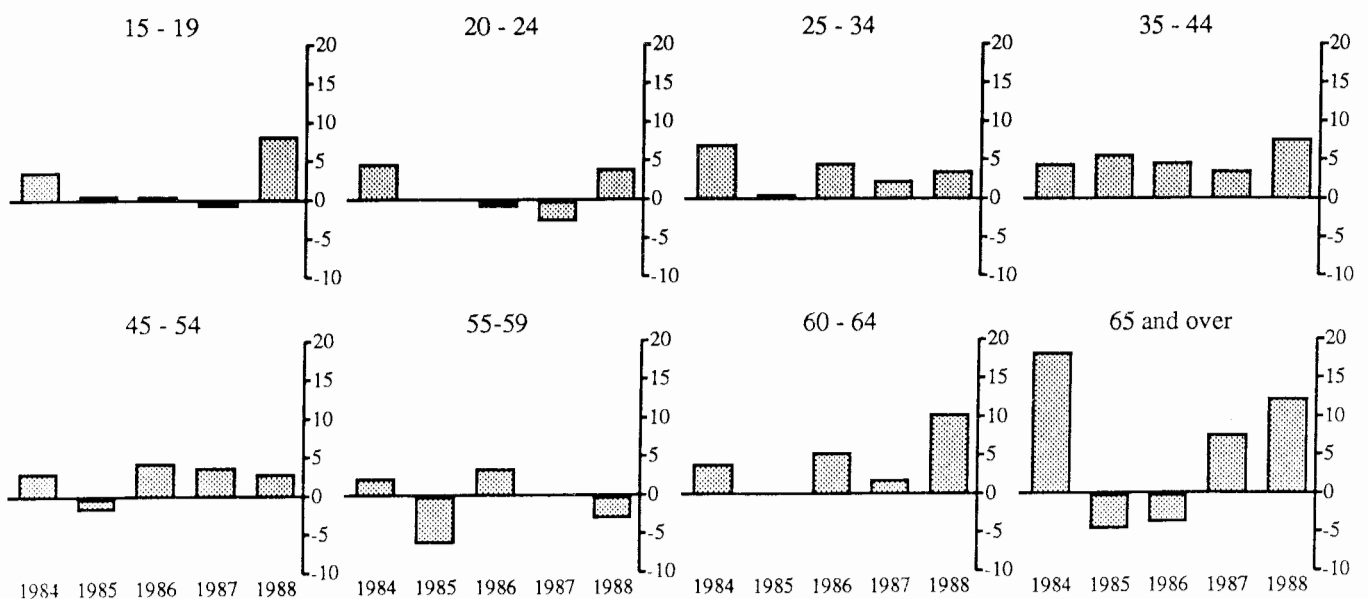


TABLE 7. EMPLOYED PERSONS : INDUSTRY DIVISION AND SUBDIVISION, N. S. W.  
( '000)

Industry	Males			Females			Persons		
	August 1987	May 1988	August 1988	August 1987	May 1988	August 1988	August 1987	May 1988	August 1988
<b>Agriculture, forestry, fishing and hunting</b>	<b>80.9</b>	<b>91.9</b>	<b>94.6</b>	<b>26.6</b>	<b>35.7</b>	<b>33.9</b>	<b>107.5</b>	<b>127.7</b>	<b>128.6</b>
Agriculture	72.0	82.5	80.6	24.6	34.7	30.8	96.6	117.2	111.4
Services to agriculture	*	*	7.1	*	*	*	*	*	8.6
Forestry and logging	*	*	*	*	*	*	*	*	*
Fishing and hunting	*	*	*	*	*	*	*	*	4.7
<b>Mining</b>	<b>28.8</b>	<b>33.3</b>	<b>31.0</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>31.1</b>	<b>34.5</b>	<b>31.8</b>
Metallic minerals	*	9.8	8.0	*	*	*	*	9.8	8.0
Coal	21.4	20.4	19.7	*	*	*	21.9	21.1	20.0
Construction materials	*	*	*	*	*	*	*	*	*
Services to mining, n.e.c.	*	*	*	*	*	*	*	*	*
Other mining	*	*	*	*	*	*	*	*	*
<b>Manufacturing</b>	<b>302.4</b>	<b>306.2</b>	<b>307.3</b>	<b>104.5</b>	<b>116.3</b>	<b>113.1</b>	<b>406.9</b>	<b>422.5</b>	<b>420.4</b>
Food, beverages and tobacco	41.6	42.5	34.5	18.6	17.0	14.2	60.1	59.5	48.8
Textiles	8.4	*	*	4.9	*	*	13.3	7.1	6.1
Clothing and footwear	7.4	6.9	6.2	19.6	21.7	20.0	26.9	28.6	26.2
Wood, wood products and furniture	22.0	23.4	28.7	*	7.1	6.4	25.6	30.4	35.2
Paper, paper products, printing and publishing	24.9	31.4	31.2	16.5	16.9	20.9	41.4	48.3	52.1
Chemical, petroleum and coal products	19.4	15.3	14.8	6.6	9.3	10.6	26.0	24.6	25.5
Non-metallic mineral products	14.7	14.7	15.3	*	*	*	17.0	16.5	17.8
Basic metal products	40.8	37.1	38.9	*	*	*	42.4	38.9	40.8
Fabricated metal products	35.1	36.3	37.6	6.9	8.1	7.2	42.0	44.3	44.8
Transport equipment	29.6	27.5	29.8	*	*	*	31.8	31.0	33.1
Other machinery and equipment	44.6	51.1	47.9	13.9	16.0	14.2	58.5	67.1	62.0
Miscellaneous manufacturing	14.1	16.0	18.4	7.9	10.1	9.6	21.9	26.2	28.0
<b>Electricity, gas and water</b>	<b>38.0</b>	<b>40.3</b>	<b>37.2</b>	<b>6.3</b>	<b>5.1</b>	<b>*</b>	<b>44.4</b>	<b>45.4</b>	<b>39.6</b>
Electricity and gas	25.6	29.8	26.7	*	*	*	29.8	32.9	28.0
Water, sewerage and drainage	12.4	10.5	10.6	*	*	*	14.6	12.5	11.6
<b>Construction</b>	<b>146.3</b>	<b>149.9</b>	<b>146.4</b>	<b>17.8</b>	<b>18.2</b>	<b>19.8</b>	<b>164.0</b>	<b>168.1</b>	<b>166.2</b>
General construction	58.1	56.9	47.5	7.1	6.2	6.3	65.2	63.2	53.8
Special trade construction	88.1	93.0	98.9	10.7	11.9	13.4	98.8	104.9	112.4
<b>Wholesale and retail trade</b>	<b>268.6</b>	<b>290.7</b>	<b>294.1</b>	<b>205.6</b>	<b>228.8</b>	<b>226.5</b>	<b>474.1</b>	<b>519.5</b>	<b>520.6</b>
Wholesale trade	112.2	118.3	116.1	49.8	56.4	58.9	162.0	174.7	174.9
Retail trade	156.4	172.4	178.0	155.7	172.4	167.6	312.1	344.8	345.6
<b>Transport and storage</b>	<b>110.7</b>	<b>108.8</b>	<b>102.9</b>	<b>24.5</b>	<b>31.7</b>	<b>28.0</b>	<b>135.2</b>	<b>140.5</b>	<b>130.9</b>
Road freight transport	35.6	34.0	37.8	4.6	8.1	7.3	40.3	42.1	45.1
Road passenger transport	23.2	19.4	11.2	*	4.9	*	26.0	24.3	14.7
Rail transport	27.0	27.2	23.6	*	*	*	30.4	30.6	26.3
Water transport	*	*	*	*	*	*	*	4.7	*
Air transport	9.1	9.1	10.2	*	*	4.5	13.2	12.6	14.8
Other transport	*	*	*	*	*	*	*	*	*
Services to road transport	*	*	*	*	*	*	*	*	*
Services to water transport	6.7	5.4	5.9	*	*	*	7.2	6.4	6.6
Services to air transport	*	*	*	*	*	*	*	*	*
Other services to transport	*	*	5.5	7.5	8.6	8.7	11.8	12.9	14.2
Storage	*	*	*	*	*	*	*	*	*
<b>Communication</b>	<b>32.8</b>	<b>34.7</b>	<b>38.9</b>	<b>10.4</b>	<b>13.5</b>	<b>13.4</b>	<b>43.2</b>	<b>48.2</b>	<b>52.3</b>
<b>Finance, property and business services</b>	<b>150.7</b>	<b>148.8</b>	<b>148.0</b>	<b>144.3</b>	<b>143.0</b>	<b>158.7</b>	<b>295.0</b>	<b>291.7</b>	<b>306.8</b>
Finance and investment	40.8	44.3	40.2	49.5	50.3	51.2	90.3	94.6	91.4
Insurance and services to insurance	18.4	16.3	16.0	18.1	17.6	20.9	36.5	33.8	36.9
Property and business services	91.4	88.2	91.8	76.7	75.1	86.6	168.1	163.3	178.5
<b>Public administration and defence</b>	<b>70.0</b>	<b>59.3</b>	<b>57.4</b>	<b>35.9</b>	<b>35.2</b>	<b>31.5</b>	<b>105.9</b>	<b>94.5</b>	<b>88.9</b>
Public administration	65.2	54.4	52.2	34.1	33.0	29.7	99.3	87.4	81.8
Defence	4.8	4.8	5.3	*	*	*	6.6	7.1	7.1
<b>Community services</b>	<b>139.4</b>	<b>152.7</b>	<b>153.1</b>	<b>273.9</b>	<b>283.8</b>	<b>285.4</b>	<b>413.3</b>	<b>436.5</b>	<b>438.5</b>
Health	37.9	42.6	47.4	127.3	138.5	137.2	165.3	181.1	184.6
Education, museum and library services	54.6	60.9	54.8	100.3	99.5	103.5	154.9	160.4	158.4
Welfare and religious institutions	13.8	14.5	13.4	28.3	28.2	28.2	42.1	42.7	41.5
Other community services	33.1	34.7	37.5	17.9	17.5	16.5	50.9	52.2	54.0
<b>Recreation, personal and other services</b>	<b>73.6</b>	<b>79.0</b>	<b>81.6</b>	<b>96.3</b>	<b>99.1</b>	<b>104.0</b>	<b>169.9</b>	<b>178.0</b>	<b>185.6</b>
Entertainment and recreational services	24.6	25.4	22.9	17.0	17.8	17.6	41.6	43.2	40.5
Restaurants, hotels and clubs	39.3	41.9	43.6	50.6	54.1	58.8	89.9	96.0	102.4
Personal services	9.1	10.3	15.1	23.8	24.3	25.2	32.8	34.6	40.3
Private households employing staff	*	*	*	4.9	*	*	5.6	*	*
<b>Total</b>	<b>1,442.2</b>	<b>1,495.6</b>	<b>1,492.7</b>	<b>948.2</b>	<b>1,011.6</b>	<b>1,017.5</b>	<b>2,390.4</b>	<b>2,507.2</b>	<b>2,510.2</b>

TABLE 8. EMPLOYED PERSONS : MAJOR AND MINOR OCCUPATION GROUPS, N. S. W.  
(<sup>'000</sup>)

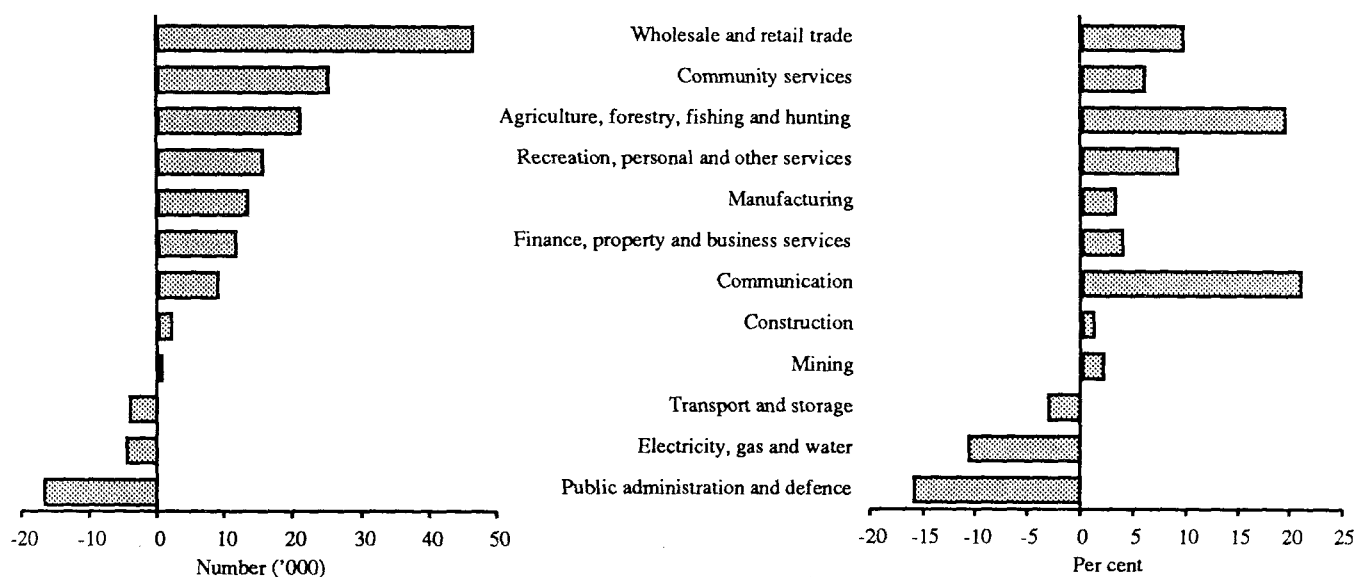
Occupation	Males			Females			Persons		
	August 1987	May 1988	August 1988	August 1987	May 1988	August 1988	August 1987	May 1988	August 1988
<b>Managers and administrators</b>	<b>198.3</b>	<b>219.6</b>	<b>201.2</b>	<b>61.6</b>	<b>74.4</b>	<b>65.5</b>	<b>259.9</b>	<b>294.0</b>	<b>266.6</b>
Legislators and government appointed officials	*	*	*	*	*	*	*	*	*
General managers	16.0	17.9	12.6	*	*	*	17.3	19.6	14.8
Specialist managers	51.5	52.7	50.3	10.1	12.0	9.1	61.6	64.7	59.4
Farmers and farm managers	48.2	55.0	51.1	16.8	25.9	20.0	65.0	80.9	71.1
Managing supervisors (sales and service)	54.7	60.2	57.2	30.3	31.5	31.5	84.9	91.8	88.7
Managing supervisors (other business)	27.3	32.7	29.4	*	*	*	30.1	36.0	32.1
<b>Professionals</b>	<b>197.8</b>	<b>186.5</b>	<b>185.4</b>	<b>116.3</b>	<b>124.2</b>	<b>128.4</b>	<b>314.2</b>	<b>310.7</b>	<b>313.8</b>
Natural scientists	8.5	7.4	9.0	*	*	*	11.1	10.0	11.4
Building professionals and engineers	41.3	37.0	36.3	*	*	*	42.9	37.7	37.1
Health diagnosis and treatment practitioners	19.8	19.4	17.7	9.2	13.6	15.1	28.9	33.0	32.8
School teachers	26.6	28.1	27.0	51.7	43.9	47.6	78.3	72.0	74.6
Other teachers and instructors	14.1	15.3	13.5	11.4	16.7	19.9	25.4	32.0	33.4
Social professionals	14.3	13.3	13.8	5.3	6.3	5.1	19.7	19.6	18.9
Business professionals	50.0	46.5	49.8	18.5	22.4	22.0	68.5	68.9	71.9
Artists and related professionals	16.7	14.3	13.3	9.0	10.1	8.2	25.8	24.4	21.4
Miscellaneous professionals	6.6	5.1	4.8	7.1	7.8	7.4	13.6	13.0	12.2
<b>Para-professionals</b>	<b>82.2</b>	<b>85.7</b>	<b>89.9</b>	<b>64.0</b>	<b>62.7</b>	<b>66.4</b>	<b>146.2</b>	<b>148.4</b>	<b>156.3</b>
Medical and science technical officers and technicians	*	*	*	*	*	*	*	5.1	5.6
Engineering and building associates and technicians	31.2	33.3	32.6	*	*	*	32.3	35.8	35.2
Air and sea transport technical workers	5.6	7.0	6.6	*	*	*	5.6	7.0	6.6
Registered nurses	*	*	4.6	45.8	43.9	45.8	49.9	47.0	50.4
Police	9.3	9.6	13.4	*	*	*	11.6	11.1	14.4
Miscellaneous para-professionals	30.4	30.5	30.6	12.5	11.7	13.7	42.9	42.2	44.3
<b>Tradespersons</b>	<b>338.1</b>	<b>351.9</b>	<b>364.1</b>	<b>33.8</b>	<b>35.9</b>	<b>34.8</b>	<b>371.9</b>	<b>387.8</b>	<b>398.9</b>
Metal fitting and machining tradespersons	48.4	46.3	46.5	*	*	*	48.9	46.3	46.9
Other metal tradespersons	34.9	34.7	34.9	*	*	*	35.6	35.4	36.4
Electrical and electronics tradespersons	52.6	69.2	67.5	*	*	*	53.6	69.7	67.7
Building tradespersons	77.0	78.2	78.0	*	*	*	77.5	79.2	79.1
Printing tradespersons	12.7	12.9	12.9	*	*	*	14.9	14.4	15.2
Vehicle tradespersons	42.1	44.5	45.5	*	*	*	42.4	44.5	46.1
Food tradespersons	28.4	23.8	26.3	7.5	10.6	6.1	35.9	34.4	32.4
Amenity horticultural tradespersons	10.6	14.6	15.3	*	*	*	12.2	15.7	16.3
Miscellaneous tradespersons	31.3	27.5	37.3	19.8	20.7	21.6	51.1	48.2	58.9
<b>Clerks</b>	<b>105.3</b>	<b>106.1</b>	<b>103.5</b>	<b>323.8</b>	<b>361.0</b>	<b>364.1</b>	<b>429.1</b>	<b>467.0</b>	<b>467.6</b>
Stenographers and typists	*	*	*	99.5	113.5	116.0	100.4	115.1	117.0
Data processing and business machine operators	4.9	*	5.4	22.2	25.4	25.6	27.1	29.7	31.0
Numerical clerks	35.1	40.0	35.0	85.5	94.7	93.0	120.5	134.8	128.0
Filing, sorting and copying clerks	5.2	4.8	5.6	10.4	12.9	12.7	15.6	17.7	18.3
Material recording and despatching clerks	11.6	16.8	15.3	5.0	7.9	8.1	16.6	24.7	23.4
Receptionists, telephonists and messengers	9.6	5.6	8.0	39.0	47.5	44.5	48.6	53.0	52.4
Miscellaneous clerks	38.0	33.0	33.0	62.2	59.0	64.3	100.2	92.0	97.4
<b>Salespersons and personal service workers</b>	<b>109.9</b>	<b>120.9</b>	<b>120.6</b>	<b>199.9</b>	<b>197.3</b>	<b>201.2</b>	<b>309.8</b>	<b>318.2</b>	<b>321.8</b>
Investment, insurance and real estate salespersons	21.0	22.5	24.4	5.4	5.7	7.8	26.4	28.2	32.2
Sales representatives	22.9	27.4	31.4	10.1	6.4	8.7	33.0	33.8	40.2
Sales assistants	37.1	35.5	33.7	87.9	90.0	91.3	125.0	125.6	125.0
Tellers, cashiers and ticket salespersons	*	6.0	4.5	30.2	26.5	26.1	34.5	32.5	30.6
Miscellaneous salespersons	22.4	22.4	20.5	30.1	32.0	34.1	52.5	54.4	54.6
Personal service workers	*	7.1	6.2	36.2	36.7	33.1	38.5	43.8	39.3
<b>Plant and machine operators, and drivers</b>	<b>154.0</b>	<b>154.3</b>	<b>156.5</b>	<b>26.2</b>	<b>33.2</b>	<b>30.7</b>	<b>180.2</b>	<b>187.4</b>	<b>187.2</b>
Road and rail transport drivers	82.0	80.3	77.9	*	5.2	*	84.5	85.5	82.2
Mobile plant operators (except transport)	26.0	26.4	30.7	*	*	*	26.0	26.4	30.7
Stationary plant operators	17.3	22.7	21.2	*	*	*	17.7	23.2	21.2
Machine operators	28.7	24.9	26.8	23.3	27.4	26.3	52.0	52.3	53.1
<b>Labourers and related workers</b>	<b>256.6</b>	<b>270.6</b>	<b>271.4</b>	<b>122.7</b>	<b>123.0</b>	<b>126.6</b>	<b>379.2</b>	<b>393.6</b>	<b>398.0</b>
Trades assistants and factory hands	51.4	68.7	58.8	24.7	30.7	27.8	76.1	99.4	86.6
Agricultural labourers and related workers	30.3	30.7	35.0	7.3	7.7	12.5	37.6	38.3	47.5
Cleaners	24.0	23.5	21.7	44.5	42.7	43.0	68.4	66.1	64.7
Construction and mining labourers	54.6	51.0	49.1	*	*	*	55.4	51.6	50.2
Miscellaneous labourers and related workers	96.2	96.7	106.7	45.4	41.4	42.2	141.7	138.2	148.9
<b>Total</b>	<b>1,442.2</b>	<b>1,495.6</b>	<b>1,492.7</b>	<b>948.2</b>	<b>1,011.6</b>	<b>1,017.5</b>	<b>2,390.4</b>	<b>2,507.2</b>	<b>2,510.2</b>

TABLE 9. EMPLOYED PERSONS : STATUS OF WORKER, N. S. W.  
(<sup>'000</sup>)

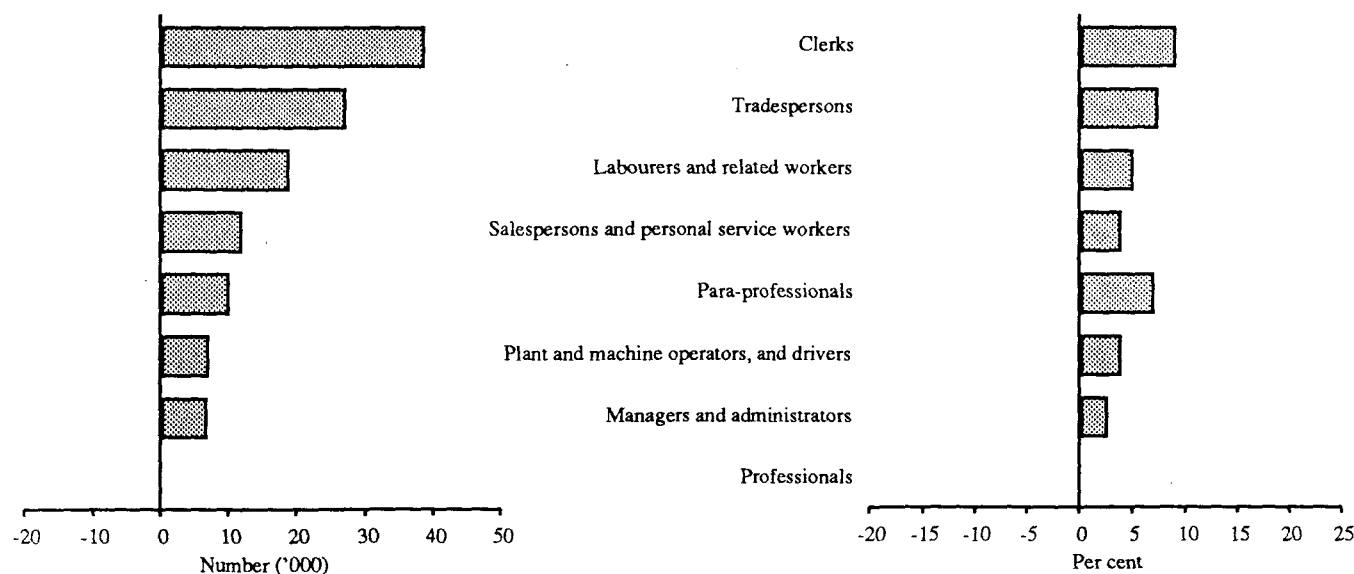
Status of worker	Males			Females			Persons		
	August 1987	May 1988	August 1988	August 1987	May 1988	August 1988	August 1987	May 1988	August 1988
Wage and salary earners	1,201.9	1,255.5	1,245.5	841.8	894.6	901.3	2,043.7	2,150.1	2,146.8
Employers	80.2	82.3	83.6	36.9	38.7	35.9	117.1	121.1	119.5
Self-employed	152.0	151.7	157.9	58.4	65.3	66.6	210.4	217.0	224.5
<b>Total (a)</b>	<b>1,442.2</b>	<b>1,495.6</b>	<b>1,492.7</b>	<b>948.2</b>	<b>1,011.6</b>	<b>1,017.5</b>	<b>2,390.4</b>	<b>2,507.2</b>	<b>2,510.2</b>

(a) Includes unpaid family helpers.

ANNUAL CHANGE IN EMPLOYMENT BY INDUSTRY DIVISION,  
AUGUST 1987 TO AUGUST 1988



ANNUAL CHANGE IN EMPLOYMENT BY OCCUPATION GROUP,  
AUGUST 1987 TO AUGUST 1988



**TABLE 10. UNEMPLOYED PERSONS : AGE, N. S. W.**  
(<sup>'000</sup>)

	Age group (years)						
Month	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 and over	Total
MALES							
1987: August	22.4	29.5	32.0	22.4	12.4	10.9	129.7
1988: May	24.7	26.0	25.9	18.1	14.6	10.4	119.6
June	20.3	22.7	27.3	17.9	14.1	12.4	114.6
July	20.5	20.0	25.6	18.0	15.1	12.7	111.8
August	20.5	24.3	25.7	16.5	15.6	12.2	114.8
FEMALES							
1987: August	20.3	20.2	20.9	18.9	8.7	*	90.8
1988: May	20.8	13.0	24.8	18.5	8.2	*	87.5
June	21.6	13.6	21.6	16.1	8.8	*	83.9
July	16.0	17.0	19.3	12.6	6.2	*	72.2
August	19.0	19.9	18.8	12.0	6.5	*	78.0
PERSONS							
1987: August	42.6	49.7	53.0	41.3	21.2	12.7	220.5
1988: May	45.5	39.0	50.7	36.6	22.8	12.6	207.1
June	41.9	36.3	48.8	34.0	22.8	14.7	198.5
July	36.6	36.9	44.9	30.6	21.3	13.7	184.0
August	39.5	44.1	44.5	28.5	22.1	14.0	192.7

**TABLE 11. UNEMPLOYED PERSONS : UNEMPLOYMENT RATE BY AGE, N. S. W.**  
(per cent)

	Age group (years)						
Month	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 and over	Total
MALES							
1987: August	17.9	15.1	7.5	5.8	4.7	6.2	8.3
1988: May	18.5	12.9	5.9	4.5	5.5	5.8	7.4
June	15.6	11.3	6.2	4.4	5.3	6.8	7.1
July	15.6	9.9	5.9	4.4	5.7	6.9	6.9
August	16.3	11.9	6.0	4.1	5.9	6.8	7.1
FEMALES							
1987: August	18.4	12.4	7.5	7.1	5.7	*	8.7
1988: May	17.4	7.9	8.3	6.6	5.0	*	8.0
June	18.2	8.4	7.4	5.7	5.2	*	7.7
July	13.2	10.7	6.6	4.5	3.8	*	6.6
August	15.5	12.3	6.5	4.2	3.9	*	7.1
PERSONS							
1987: August	18.2	13.9	7.5	6.3	5.1	5.2	8.4
1988: May	18.0	10.7	6.9	5.4	5.3	5.0	7.6
June	16.8	10.0	6.7	4.9	5.3	5.8	7.3
July	14.4	10.3	6.2	4.5	5.0	5.3	6.8
August	15.9	12.1	6.2	4.1	5.1	5.5	7.1



TABLE 12. UNEMPLOYED PERSONS : INDUSTRY AND OCCUPATION OF LAST FULL-TIME JOB, N.S.W.  
(<sup>'000</sup>)

	August 1987	May 1988	August 1988		
	Persons	Persons	Males	Females	Persons
<i>Had worked for two weeks or more in a full-time job in the last two years</i>	111.3	101.2	65.4	29.4	94.8
<b>Industry division -</b>					
Agriculture, forestry, fishing and hunting	4.5	4.7	*	*	*
Manufacturing	28.4	22.8	17.1	5.2	22.3
Construction	9.6	9.6	8.8	*	8.8
Wholesale and retail trade	28.5	21.4	12.6	8.1	20.7
Transport and storage	*	*	*	*	*
Finance property and business services	8.5	6.1	*	*	7.8
Community services	12.0	11.1	*	4.7	7.6
Recreation, personal and other services	8.0	11.1	4.6	*	8.7
Other industries (a)	8.7	10.3	7.6	*	10.1
<b>Major occupation group -</b>					
Managers and administrators	7.9	*	*	*	5.5
Professionals	5.0	5.2	*	*	6.2
Para-professionals	*	*	*	*	*
Tradespersons	16.3	18.4	14.7	*	15.0
Clerks	13.7	12.6	4.8	7.1	11.9
Salespersons and personal service workers	17.0	14.4	4.6	9.7	14.2
Plant and machine operators, and drivers	11.5	9.9	6.8	*	7.6
Labourers and related workers	36.3	33.6	23.5	7.4	30.9
<i>Had not worked full-time for two weeks or more in the last two years</i>	106.5	101.5	48.6	47.2	95.8
Looking for first job	25.1	28.6	9.4	11.8	21.2
Had worked at some time in the past	81.3	72.9	39.2	35.4	74.7
<i>Stood down</i>	*	*	*	*	*
<b>Total</b>	<b>220.5</b>	<b>207.1</b>	<b>114.8</b>	<b>78.0</b>	<b>192.7</b>

(a) Comprises Mining, Electricity, Gas and Water, Communication, and Public Administration and Defence.

### UNEMPLOYMENT RATE BY AGE

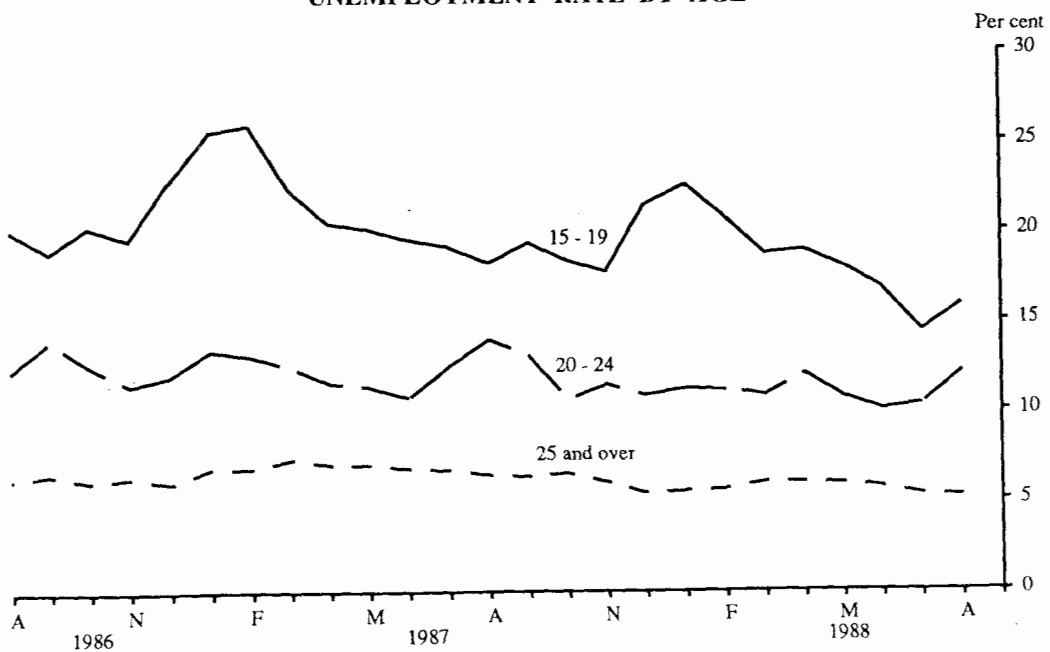


TABLE 13. UNEMPLOYED PERSONS : DURATION OF UNEMPLOYMENT, N. S. W.

Duration of unemployment (weeks)	August 1987	May 1988	June 1988	July 1988	August 1988		
	Persons	Persons	Persons	Persons	Males	Females	Persons
	'000						
Under 2	13.0	15.4	11.5	13.6	7.4	5.3	12.7
2 and under 4	18.5	15.9	20.0	15.4	9.3	8.7	18.0
4 and under 8	21.5	21.8	19.5	22.0	9.9	9.5	19.4
8 and under 13	16.3	16.1	14.5	14.6	10.4	6.1	16.5
13 and under 26	30.0	37.2	31.9	20.1	14.4	9.9	24.3
26 and under 39	36.7	19.6	20.7	22.8	14.7	12.8	27.5
39 and under 52	8.4	8.7	6.6	7.0	6.0	*	9.4
52 and under 104	28.9	33.4	29.8	27.7	15.7	9.2	24.9
104 and over	47.3	38.9	44.0	40.7	27.1	13.0	40.1
<b>Total</b>	<b>220.5</b>	<b>207.1</b>	<b>198.5</b>	<b>184.0</b>	<b>114.8</b>	<b>78.0</b>	<b>192.7</b>
WEEKS							
Average	58.5	57.2	63.8	60.9	64.8	50.0	58.8
Median	27	23	26	26	27	25	26

TABLE 14. UNEMPLOYED PERSONS : DURATION OF UNEMPLOYMENT BY AGE, N. S. W.

Month	Duration of unemployment (weeks)					Total ( <i>'000</i> )	Average duration (weeks)	Median duration (weeks)
	Under 13 ( <i>'000</i> )	13 and under 26 ( <i>'000</i> )	26 and under 39 ( <i>'000</i> )	39 and under 104 ( <i>'000</i> )	104 and over ( <i>'000</i> )			
15 - 19								
1987: August	14.1	7.3	10.0	6.9	*	42.6	36.8	24
1988: May	18.5	12.5	4.9	*	5.1	45.5	29.5	18
June	17.1	9.6	5.2	5.5	4.5	41.9	34.9	20
July	14.1	5.6	8.3	4.7	*	36.6	33.3	21
August	17.2	5.0	8.0	5.1	*	39.5	33.3	17
20 - 24								
1987: August	17.7	8.4	7.3	7.9	8.4	49.7	45.0	21
1988: May	16.0	5.0	*	6.7	7.0	39.0	54.3	20
June	13.9	6.7	*	5.0	7.3	36.3	51.3	18
July	13.8	4.8	4.7	6.4	7.2	36.9	54.5	24
August	13.5	7.7	8.4	7.7	6.8	44.1	48.9	26
25 - 34								
1987: August	18.8	5.8	8.2	10.6	9.5	53.0	52.5	26
1988: May	18.3	7.5	*	14.0	6.8	50.7	46.2	22
June	15.8	8.4	*	8.5	11.7	48.8	67.9	26
July	17.9	5.1	4.7	6.1	11.1	44.9	61.0	21
August	17.4	5.9	*	7.6	9.5	44.5	63.3	22
35 - 44								
1987: August	11.2	5.7	6.8	6.7	11.0	41.3	71.4	27
1988: May	9.3	6.5	*	8.1	8.9	36.6	68.9	30
June	8.4	4.5	*	8.5	8.7	34.0	83.2	42
July	9.9	*	*	7.7	7.8	30.6	70.7	39
August	8.8	*	*	6.5	7.1	28.5	68.5	32
45 AND OVER								
1987: August	7.4	*	*	5.2	14.0	33.8	99.5	52
1988: May	7.1	5.8	*	8.8	11.2	35.4	99.3	52
June	10.3	*	*	9.0	11.7	37.5	85.4	48
July	10.0	*	*	9.8	10.7	35.0	87.8	52
August	9.6	*	*	7.4	12.5	36.1	85.6	52
TOTAL								
1987: August	69.2	30.0	36.7	37.3	47.3	220.5	58.5	27
1988: May	69.2	37.2	19.6	42.1	38.9	207.1	57.2	23
June	65.4	31.9	20.7	36.4	44.0	198.5	63.8	26
July	65.7	20.1	22.8	34.7	40.7	184.0	60.9	26
August	66.5	24.3	27.5	34.3	40.1	192.7	58.8	26

TABLE 15. UNEMPLOYED PERSONS : UNEMPLOYMENT RATE BY BIRTHPLACE AND PERIOD OF ARRIVAL, N. S. W.  
(per cent)

	August 1987	May 1988	June 1988	July 1988	August 1988
<b>Birthplace -</b>					
Australia	7.8	7.2	6.8	6.3	6.8
Outside Australia	10.3	8.7	8.8	8.1	8.0
Main English speaking countries	7.5	5.3	7.0	5.8	6.2
Other countries	12.2	10.7	9.8	9.4	9.1
<b>Period of arrival of overseas born -</b>					
Before 1961	5.9	4.8	5.7	6.1	4.8
1961 - 1970	8.2	5.2	5.7	6.1	5.5
1971 - 1980	11.0	9.4	8.8	8.2	8.3
1981 to survey date	17.0	15.1	14.4	11.8	13.4
<b>Total</b>	<b>8.4</b>	<b>7.6</b>	<b>7.3</b>	<b>6.8</b>	<b>7.1</b>

Note. Estimates of the unemployment rate of persons born outside Australia, published in the February and May 1988 issues of this publication were incorrect. Amended estimates are available on request.

### AVERAGE DURATION OF UNEMPLOYMENT BY AGE

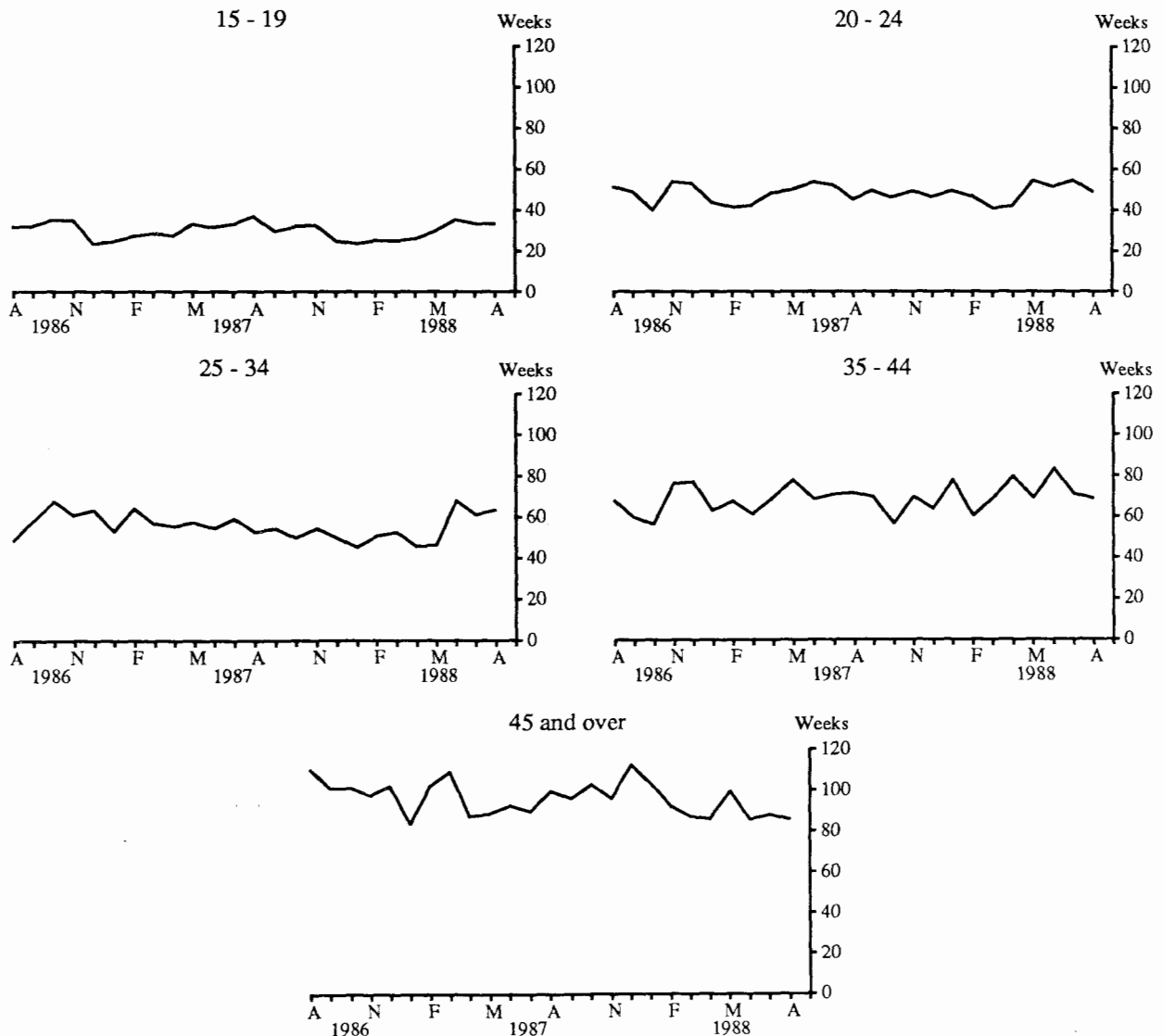


TABLE 16. LABOUR FORCE STATUS, SYDNEY MAJOR STATISTICAL REGION

Month	Employed			Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
MALES											
1984: August	821.1	57.1	878.2	73.8	4.6	78.4	956.6	307.4	1,263.9	8.2	75.7
1985: August	839.0	<u>51.2</u>	<u>890.2</u>	<u>69.0</u>	<u>5.1</u>	<u>74.1</u>	<u>964.3</u>	<u>312.6</u>	1,277.0	<u>7.7</u>	<u>75.5</u>
1986: August	847.9	56.4	904.3	60.9	5.6	66.5	970.8	329.1	1,299.9	6.8	74.7
1987: June	868.4	62.6	931.0	62.3	5.2	67.5	998.4	327.3	1,325.8	6.8	75.3
July	874.7	53.1	927.7	67.9	5.6	73.5	1,001.2	326.4	1,327.6	7.3	75.4
August	855.1	63.3	918.4	62.7	5.2	68.0	986.3	343.0	1,329.3	6.9	74.2
1988: May	873.7	64.1	937.8	62.6	7.1	69.7	1,007.4	339.8	1,347.2	6.9	74.8
June	888.4	64.9	953.3	56.2	5.4	61.6	1,015.0	334.1	1,349.1	6.1	75.2
July	895.7	58.6	954.3	52.9	*	57.2	1,011.5	340.0	1,351.5	5.7	74.8
August	886.8	60.0	946.8	54.5	6.3	60.8	1,007.6	346.2	1,353.9	6.0	74.4
MARRIED FEMALES											
1984: August	195.5	134.0	329.5	11.0	7.2	18.2	347.7	409.9	757.5	5.2	45.9
1985: August	191.7	<u>134.8</u>	<u>326.5</u>	<u>13.0</u>	<u>6.4</u>	<u>19.4</u>	<u>345.9</u>	<u>411.7</u>	757.6	<u>5.6</u>	<u>45.7</u>
1986: August	206.9	154.9	361.7	11.0	6.8	17.8	379.6	394.0	773.6	4.7	49.1
1987: June	211.3	154.2	365.4	16.4	8.9	25.3	390.7	391.6	782.3	6.5	49.9
July	221.6	156.8	378.4	17.7	6.1	23.8	402.2	391.0	793.2	5.9	50.7
August	217.4	155.2	372.5	15.5	8.9	24.5	397.0	392.9	789.9	6.2	50.3
1988: May	226.5	158.0	384.4	14.0	9.7	23.8	408.2	409.3	817.5	5.8	49.9
June	226.1	166.1	392.2	13.9	7.7	21.6	413.8	402.4	816.1	5.2	50.7
July	232.4	157.9	390.2	10.7	5.5	16.2	406.4	405.4	811.9	4.0	50.1
August	224.9	164.7	389.6	12.0	5.3	17.3	406.9	413.0	819.9	4.2	49.6
ALL FEMALES											
1984: August	397.7	189.6	587.3	31.4	13.1	44.5	631.9	707.2	1,339.0	7.0	47.2
1985: August	406.6	<u>189.8</u>	<u>596.3</u>	<u>34.2</u>	<u>12.7</u>	<u>46.9</u>	<u>643.2</u>	<u>709.7</u>	1,353.0	<u>7.3</u>	<u>47.5</u>
1986: August	414.2	210.8	624.9	35.7	14.2	50.0	674.9	700.8	1,375.6	7.4	49.1
1987: June	421.6	220.1	641.6	35.6	14.8	50.4	692.1	705.6	1,397.7	7.3	49.5
July	427.5	224.0	651.5	39.3	13.2	52.5	704.0	695.7	1,399.7	7.5	50.3
August	418.3	217.9	636.2	36.5	16.9	53.4	689.6	712.2	1,401.8	7.7	49.2
1988: May	445.8	218.1	663.9	33.2	17.1	50.3	714.2	706.3	1,420.5	7.0	50.3
June	444.7	224.1	668.8	32.6	13.6	46.2	715.0	707.4	1,422.4	6.5	50.3
July	454.5	217.2	671.7	26.2	10.3	36.5	708.2	716.7	1,424.9	5.2	49.7
August	446.3	222.6	668.9	28.5	15.2	43.7	712.6	714.7	1,427.3	6.1	49.9
PERSONS											
1984: August	1,218.8	246.7	1,465.5	105.2	17.7	122.9	1,588.4	1,014.5	2,602.9	7.7	61.0
1985: August	1,245.6	<u>240.9</u>	<u>1,486.5</u>	<u>103.2</u>	<u>17.8</u>	<u>121.0</u>	<u>1,607.6</u>	<u>1,022.4</u>	2,629.9	<u>7.5</u>	<u>61.1</u>
1986: August	1,262.1	267.2	1,529.2	96.6	19.8	116.5	1,645.7	1,029.8	2,675.5	7.1	61.5
1987: June	1,290.0	282.6	1,572.6	97.9	20.0	117.9	1,690.5	1,032.9	2,723.4	7.0	62.1
July	1,302.1	277.1	1,579.2	107.3	18.7	126.0	1,705.2	1,022.1	2,727.3	7.4	62.5
August	1,273.4	291.2	1,554.6	99.2	22.1	121.4	1,675.9	1,055.2	2,731.1	7.2	61.4
1988: May	1,319.5	282.1	1,601.6	95.7	24.2	119.9	1,721.6	1,046.1	2,767.7	7.0	62.2
June	1,333.1	289.0	1,622.1	88.8	19.1	107.9	1,730.0	1,041.6	2,771.5	6.2	62.4
July	1,350.2	275.8	1,626.0	79.1	14.6	93.7	1,719.7	1,056.6	2,776.3	5.4	61.9
August	1,333.1	282.5	1,615.7	83.0	21.6	104.6	1,720.2	1,060.9	2,781.2	6.1	61.9

TABLE 17. LABOUR FORCE STATUS, BALANCE OF NEW SOUTH WALES MAJOR STATISTICAL REGION

Month	Employed			Unemployed			Labour force ('000)	Not in labour force ('000)	Civilian population aged 15 and over ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Looking for part-time work ('000)	Total ('000)					
MALES											
1984: August	477.3	31.1	508.4	63.3	*	66.1	574.5	187.9	762.3	11.5	75.4
1985: August	474.3	<u>33.3</u>	<u>507.5</u>	<u>61.4</u>	<u>*</u>	<u>63.5</u>	<u>571.1</u>	<u>204.1</u>	775.2	<u>11.1</u>	<u>73.7</u>
1986: August	489.1	37.0	526.1	57.2	*	60.7	586.7	208.1	794.8	10.3	73.8
1987: June	485.1	39.3	524.4	65.3	*	68.1	592.5	216.8	809.4	11.5	73.2
July	496.7	38.7	535.4	63.7	*	66.1	601.5	209.3	810.8	11.0	74.2
August	482.8	41.0	523.8	59.4	*	61.7	585.5	226.7	812.3	10.5	72.1
1988: May	517.4	40.5	557.8	44.8	5.2	50.0	607.8	215.8	823.6	8.2	73.8
June	515.3	39.6	554.9	48.1	4.9	53.0	607.9	216.8	824.6	8.7	73.7
July	515.4	34.7	550.2	52.5	*	54.6	604.8	221.3	826.1	9.0	73.2
August	505.2	40.7	545.9	50.7	*	53.9	599.8	227.7	827.5	9.0	72.5
MARRIED FEMALES											
1984: August	88.5	82.7	171.2	7.8	4.5	12.3	183.5	287.2	470.7	6.7	39.0
1985: August	91.7	<u>83.0</u>	<u>174.7</u>	<u>7.2</u>	<u>5.1</u>	<u>12.3</u>	<u>187.0</u>	<u>288.2</u>	475.1	<u>6.6</u>	<u>39.0</u>
1986: August	98.7	91.9	190.5	8.7	6.1	14.8	205.3	293.0	498.3	7.2	41.2
1987: June	109.2	102.2	211.4	9.2	*	13.6	225.0	272.4	497.5	6.1	45.2
July	107.5	98.7	206.2	10.0	5.9	15.9	222.1	275.7	497.8	7.2	44.6
August	105.5	101.6	207.1	9.7	*	14.0	221.2	280.5	501.6	6.3	44.1
1988: May	114.2	111.4	225.6	9.4	6.1	15.5	241.2	263.4	504.5	6.4	47.8
June	119.9	109.6	229.5	6.9	5.5	12.4	241.9	265.5	507.4	5.1	47.7
July	118.6	110.8	229.5	6.9	5.3	12.2	241.7	263.1	504.8	5.1	47.9
August	119.1	114.3	233.4	9.5	*	13.4	246.8	264.2	511.0	5.4	48.3
ALL FEMALES											
1984: August	164.2	110.0	274.2	23.3	7.2	30.4	304.6	455.5	760.1	10.0	40.1
1985: August	163.8	<u>109.7</u>	<u>273.5</u>	<u>25.7</u>	<u>7.8</u>	<u>33.5</u>	<u>307.0</u>	<u>465.9</u>	772.9	<u>10.9</u>	<u>39.7</u>
1986: August	169.0	120.1	289.1	27.6	9.4	37.0	326.0	465.8	791.8	11.3	41.2
1987: June	180.0	138.9	318.9	31.5	8.4	39.9	358.8	449.5	808.2	11.1	44.4
July	185.5	132.4	317.9	30.9	8.8	39.7	357.6	452.3	809.8	11.1	44.2
August	175.0	137.1	312.0	28.6	8.7	37.4	349.4	462.1	811.5	10.7	43.1
1988: May	198.5	149.2	347.7	27.8	9.4	37.2	384.9	438.1	823.0	9.7	46.8
June	194.2	149.2	343.4	27.9	9.8	37.6	381.1	443.1	824.2	9.9	46.2
July	197.6	149.6	347.2	27.8	7.9	35.7	382.9	442.7	825.6	9.3	46.4
August	197.0	151.6	348.6	26.6	7.7	34.2	382.9	444.2	827.0	8.9	46.3
PERSONS											
1984: August	641.6	141.0	782.6	86.6	9.9	96.5	879.1	643.3	1,522.4	11.0	57.7
1985: August	638.1	<u>142.9</u>	<u>781.0</u>	<u>87.1</u>	<u>9.9</u>	<u>97.0</u>	<u>878.1</u>	<u>670.0</u>	1,548.1	<u>11.1</u>	<u>56.7</u>
1986: August	658.1	157.1	815.2	84.8	12.8	97.6	912.8	673.9	1,586.7	10.7	57.5
1987: June	665.0	178.2	843.3	96.8	11.2	108.0	951.3	666.3	1,617.6	11.4	58.8
July	682.2	171.1	853.3	94.6	11.2	105.8	959.0	661.6	1,620.7	11.0	59.2
August	657.8	178.0	835.8	88.0	11.1	99.1	934.9	688.8	1,623.8	10.6	57.6
1988: May	715.8	189.7	905.5	72.5	14.6	87.2	992.7	653.9	1,646.6	8.8	60.3
June	709.5	188.8	898.3	76.0	14.7	90.6	988.9	659.9	1,648.8	9.2	60.0
July	713.0	184.4	897.3	80.3	10.0	90.3	987.6	664.0	1,651.7	9.1	59.8
August	702.2	192.3	894.5	77.3	10.8	88.1	982.7	671.9	1,654.6	9.0	59.4

TABLE 18. LABOUR FORCE STATUS, STATISTICAL REGIONS OF N. S. W.

Sex and month	Employed			Unemployed		Labour force ( <sup>'000</sup> )	Not in labour force ( <sup>'000</sup> )	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
	Full-time workers ( <sup>'000</sup> )	Part-time workers ( <sup>'000</sup> )	Total ( <sup>'000</sup> )	Looking for full- time work ( <sup>'000</sup> )	Total ( <sup>'000</sup> )				
	INNER SYDNEY AND INNER WESTERN SYDNEY STATISTICAL REGIONS								
MALES - 1988: May	94.8	9.1	103.9	7.3	8.5	112.3	50.3	7.5	69.1
June	99.3	9.9	109.3	7.6	8.1	117.3	47.8	6.9	71.1
July	99.2	10.7	109.9	7.7	8.4	118.3	46.3	7.1	71.9
August	93.5	6.9	100.4	8.4	9.1	109.5	48.8	8.4	69.2
FEMALES - 1988: May	56.5	20.0	76.5	*	*	79.6	79.7	*	50.0
June	57.4	21.6	79.0	*	*	82.7	79.3	*	51.1
July	54.6	21.5	76.1	*	5.7	81.8	79.4	6.9	50.8
August	52.9	19.7	72.7	*	5.1	77.8	79.6	6.6	49.4
PERSONS - 1988: May	151.3	29.1	180.3	9.7	11.6	191.9	130.0	6.0	59.6
June	156.7	31.6	188.2	10.8	11.8	200.0	127.0	5.9	61.2
July	153.8	32.2	186.0	12.2	14.1	200.1	125.6	7.0	61.4
August	146.4	26.6	173.1	11.8	14.3	187.3	128.4	7.6	59.3
INNER SYDNEY STATISTICAL REGION									
MALES - 1988: May	59.7	6.4	66.2	5.8	6.5	72.7	35.0	9.0	67.5
June	60.9	7.7	68.5	6.3	6.6	75.1	32.7	8.7	69.7
July	63.7	6.3	70.0	6.3	6.6	76.6	31.6	8.6	70.8
August	57.9	5.0	62.9	6.4	6.7	69.6	32.4	9.7	68.2
FEMALES - 1988: May	34.3	12.4	46.7	*	*	49.4	44.7	*	52.5
June	34.5	11.1	45.7	*	*	48.2	48.1	*	50.0
July	34.2	11.7	45.9	*	*	49.1	46.3	*	51.5
August	30.8	9.6	40.4	*	*	44.1	48.1	*	47.8
PERSONS - 1988: May	94.1	18.8	112.9	7.7	9.2	122.1	79.7	7.5	60.5
June	95.4	18.8	114.2	8.3	9.1	123.3	80.8	7.4	60.4
July	97.9	18.0	115.9	8.6	9.8	125.7	77.9	7.8	61.7
August	88.7	14.6	103.3	8.6	10.4	113.7	80.5	9.1	58.5
EASTERN SUBURBS STATISTICAL REGION									
MALES - 1988: May	57.8	5.4	63.2	4.3	4.8	68.1	25.5	7.1	72.8
June	56.1	5.4	61.5	*	3.5	65.0	22.7	5.4	74.1
July	56.5	5.8	62.3	*	*	65.1	24.9	*	72.3
August	55.4	5.0	60.4	*	*	63.3	25.3	*	71.4
FEMALES - 1988: May	37.1	13.0	50.1	*	*	52.2	44.9	*	53.7
June	40.1	10.8	50.9	*	4.1	55.0	41.4	7.5	57.1
July	38.8	10.5	49.2	*	3.7	52.9	43.7	7.0	54.8
August	38.6	10.2	48.8	*	4.1	52.9	41.4	7.7	56.1
PERSONS - 1988: May	94.9	18.5	113.4	6.0	6.9	120.2	70.4	5.7	63.1
June	96.2	16.2	112.4	6.2	7.6	120.0	64.1	6.3	65.2
July	95.3	16.2	111.6	5.2	6.4	118.0	68.6	5.4	63.2
August	94.0	15.2	109.2	4.9	7.0	116.2	66.7	6.0	63.5
ST GEORGE - SUTHERLAND STATISTICAL REGION									
MALES - 1988: May	98.9	6.3	105.2	4.0	4.2	109.4	36.4	3.9	75.0
June	99.2	8.3	107.5	*	4.2	111.7	38.7	3.8	74.3
July	98.5	5.4	103.9	5.6	6.3	110.2	37.6	5.7	74.5
August	101.2	6.4	107.6	*	*	111.4	39.8	*	73.7
FEMALES - 1988: May	51.9	27.8	79.7	*	5.7	85.4	79.5	6.7	51.8
June	54.3	27.2	81.5	*	4.4	85.9	78.3	5.1	52.3
July	52.3	24.8	77.0	*	*	80.3	84.0	*	48.9
August	56.1	25.7	81.8	*	*	85.1	79.2	*	51.8
PERSONS - 1988: May	150.7	34.2	184.9	7.6	9.9	194.9	115.9	5.1	62.7
June	153.5	35.4	189.0	6.0	8.6	197.6	117.0	4.3	62.8
July	150.8	30.1	180.9	7.9	9.6	190.5	121.6	5.0	61.0
August	157.3	32.1	189.4	5.0	7.1	196.4	119.0	3.6	62.3



TABLE 18. LABOUR FORCE STATUS, STATISTICAL REGIONS OF N. S. W.-continued

Sex and month	Employed			Unemployed		Labour force ('000)	Not in labour force ('000)	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)	Total ('000)				
CANTERBURY - BANKSTOWN STATISTICAL REGION									
MALES - 1988: May	76.4	*	79.6	10.0	11.2	90.7	29.3	12.3	75.6
June	73.6	4.6	78.2	7.7	8.4	86.6	30.6	9.7	73.9
July	74.1	*	77.3	5.8	6.5	83.8	31.4	7.7	72.7
August	78.9	4.8	83.7	6.9	7.2	90.9	30.1	7.9	75.1
FEMALES - 1988: May	38.0	15.6	53.6	*	4.1	57.7	63.4	7.2	47.7
June	36.1	15.3	51.4	*	4.4	55.8	64.5	7.9	46.4
July	36.1	14.1	50.2	*	*	52.4	61.6	*	46.0
August	37.4	15.2	52.6	*	*	55.8	61.9	*	47.4
PERSONS - 1988: May	114.4	18.7	133.2	12.5	15.3	148.4	92.7	10.3	61.6
June	109.7	19.8	129.5	11.2	12.8	142.4	95.1	9.0	60.0
July	110.2	17.3	127.4	7.6	8.8	136.2	93.0	6.4	59.4
August	116.3	20.0	136.4	8.4	10.3	146.7	92.0	7.0	61.4
FAIRFIELD - LIVERPOOL AND OUTER SOUTH WESTERN SYDNEY STATISTICAL REGIONS									
MALES - 1988: May	108.4	4.8	113.2	12.5	13.5	126.6	34.7	10.6	78.5
June	111.1	6.1	117.2	11.7	12.6	129.8	32.1	9.7	80.2
July	108.4	5.2	113.6	11.8	12.5	126.2	38.1	9.9	76.8
August	106.7	5.7	112.4	11.5	13.0	125.4	37.0	10.4	77.2
FEMALES - 1988: May	51.9	16.9	68.8	10.2	13.3	82.1	91.2	16.2	47.4
June	50.1	19.4	69.4	9.8	10.7	80.2	92.6	13.4	46.4
July	51.9	20.6	72.5	5.7	7.2	79.8	92.3	9.1	46.4
August	50.7	19.7	70.5	9.2	11.5	81.9	91.3	14.0	47.3
PERSONS - 1988: May	160.2	21.7	182.0	22.7	26.8	208.7	125.9	12.8	62.4
June	161.1	25.5	186.6	21.4	23.4	210.0	124.8	11.1	62.7
July	160.3	25.8	186.2	17.4	19.8	206.0	130.4	9.6	61.2
August	157.5	25.4	182.9	20.7	24.5	207.4	128.3	11.8	61.8
FAIRFIELD - LIVERPOOL STATISTICAL REGION									
MALES - 1988: May	68.4	3.6	72.0	10.1	10.6	82.6	22.3	12.8	78.7
June	71.8	3.7	75.5	9.7	10.2	85.7	21.5	11.9	79.9
July	69.3	*	72.6	9.1	9.6	82.2	25.1	11.7	76.6
August	69.1	*	72.2	8.3	9.4	81.6	24.5	11.5	76.9
FEMALES - 1988: May	34.5	9.7	44.2	7.5	10.2	54.4	57.8	18.7	48.5
June	33.6	11.0	44.5	9.2	10.0	54.5	57.3	18.3	48.7
July	36.3	9.8	46.2	4.9	6.1	52.3	57.5	11.7	47.6
August	33.8	8.7	42.6	6.5	8.5	51.1	57.5	16.7	47.0
PERSONS - 1988: May	102.9	13.3	116.2	17.7	20.7	137.0	80.1	15.1	63.1
June	105.4	14.7	120.1	18.9	20.2	140.2	78.8	14.4	64.0
July	105.6	13.1	118.8	14.0	15.7	134.5	82.7	11.7	61.9
August	102.9	11.9	114.8	14.8	17.9	132.7	82.0	13.5	61.8
CENTRAL WESTERN SYDNEY STATISTICAL REGION									
MALES - 1988: May	69.0	*	72.2	7.1	7.8	80.0	28.3	9.8	73.9
June	70.0	3.7	73.7	5.8	6.0	79.7	27.5	7.5	74.4
July	73.2	*	75.8	4.6	5.4	81.2	28.9	6.6	73.8
August	73.7	3.6	77.3	4.4	5.1	82.4	28.7	6.2	74.1
FEMALES - 1988: May	34.4	15.8	50.2	*	3.7	53.9	58.0	6.8	48.2
June	32.0	16.5	48.5	*	*	51.2	57.5	*	47.1
July	36.8	14.6	51.4	*	*	54.5	55.5	*	49.5
August	35.1	17.8	52.9	*	*	55.3	57.3	*	49.1
PERSONS - 1988: May	103.3	19.0	122.4	10.2	11.5	133.9	86.3	8.6	60.8
June	102.0	20.2	122.2	7.7	8.7	130.9	85.0	6.6	60.6
July	110.0	17.2	127.2	6.6	8.5	135.7	84.4	6.3	61.7
August	108.7	21.4	130.1	5.6	7.5	137.6	86.0	5.5	61.5

TABLE 18. LABOUR FORCE STATUS, STATISTICAL REGIONS OF N. S. W.-continued

Sex and month	Employed			Unemployed		Labour force ('000)	Not in labour force ('000)	Unemp- loyment rate (per cent)	Partici- pation rate (per cent)
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full- time work ('000)	Total ('000)				
OUTER WESTERN SYDNEY STATISTICAL REGION									
MALES - 1988: May	63.2	*	65.1	3.5	4.2	69.3	16.9	6.1	80.4
June	62.4	*	63.6	4.1	4.5	68.1	17.3	6.7	79.8
July	60.2	*	62.3	3.3	3.5	65.8	18.3	5.3	78.2
August	62.4	*	64.6	4.2	4.5	69.1	15.4	6.5	81.8
FEMALES - 1988: May	30.3	17.8	48.0	*	*	50.4	42.3	*	54.4
June	26.2	17.6	43.8	*	*	46.0	43.2	*	51.6
July	25.8	18.4	44.1	*	*	46.6	43.1	*	52.0
August	29.3	17.0	46.3	*	*	49.2	43.6	*	53.0
PERSONS - 1988: May	93.4	19.7	113.1	4.9	6.6	119.7	59.2	5.5	66.9
June	88.5	18.8	107.3	5.3	6.7	114.1	60.5	5.9	65.3
July	86.0	20.4	106.5	4.6	6.0	112.5	61.4	5.3	64.7
August	91.7	19.1	110.8	5.5	7.5	118.3	59.0	6.3	66.7
BLACKTOWN - BAULKHAM HILLS STATISTICAL REGION									
MALES - 1988: May	75.8	5.7	81.5	5.7	6.2	87.7	22.0	7.0	79.9
June	81.3	4.4	85.6	4.7	4.9	90.6	23.3	5.4	79.6
July	80.5	3.3	83.8	4.1	4.1	88.0	22.4	4.7	79.7
August	79.7	5.6	85.3	3.6	3.6	88.9	22.4	4.0	79.9
FEMALES - 1988: May	30.6	19.8	50.4	*	3.3	53.7	54.2	6.2	49.8
June	33.3	23.3	56.7	*	*	59.4	56.4	*	51.3
July	35.2	19.4	54.6	*	*	57.4	55.4	*	50.9
August	33.6	22.5	56.1	*	*	59.3	55.0	*	51.9
PERSONS - 1988: May	106.4	25.5	131.9	7.3	9.5	141.4	76.2	6.7	65.0
June	114.6	27.7	142.3	5.5	7.7	150.0	79.6	5.1	65.3
July	115.7	22.7	138.4	6.5	7.0	145.4	77.8	4.8	65.1
August	113.4	28.1	141.4	5.8	6.8	148.2	77.4	4.6	65.7
LOWER NORTHERN SYDNEY STATISTICAL REGION									
MALES - 1988: May	66.0	8.1	74.1	*	*	75.9	25.8	*	74.7
June	68.0	5.9	74.0	*	*	75.7	28.7	*	72.5
July	73.7	6.3	80.1	*	*	80.8	25.5	*	76.0
August	73.3	5.0	78.3	*	*	80.9	26.3	*	75.4
FEMALES - 1988: May	44.1	14.3	58.4	*	*	61.5	52.8	*	53.8
June	43.5	14.9	58.4	*	*	61.7	52.7	*	53.9
July	51.6	16.0	67.6	*	*	69.3	53.8	*	56.3
August	46.6	15.3	61.9	*	*	64.1	52.5	*	55.0
PERSONS - 1988: May	110.1	22.4	132.5	3.4	4.8	137.4	78.6	3.5	63.6
June	111.5	20.8	132.4	3.8	5.0	137.4	81.4	3.7	62.8
July	125.3	22.3	147.7	*	*	150.1	79.3	*	65.4
August	119.9	20.3	140.2	4.3	4.8	144.9	78.8	3.3	64.8
HORNSBY - KU-RING-GAI STATISTICAL REGION									
MALES - 1988: May	62.9	5.7	68.6	*	*	70.1	19.6	*	78.2
June	63.4	6.0	69.5	*	*	71.5	16.7	*	81.0
July	65.1	5.8	70.9	*	*	72.4	20.4	*	78.0
August	64.3	5.7	70.0	*	*	71.6	20.6	*	77.6
FEMALES - 1988: May	25.0	21.7	46.8	*	*	48.7	47.0	*	50.9
June	26.9	23.0	49.9	*	*	51.7	45.9	*	53.0
July	27.0	24.2	51.3	*	*	51.5	49.7	*	50.9
August	24.2	24.4	48.6	*	*	50.3	53.5	*	48.5
PERSONS - 1988: May	87.9	27.5	115.4	*	3.5	118.8	66.6	2.9	64.1
June	90.3	29.0	119.4	*	3.8	123.1	62.6	3.1	66.3
July	92.1	30.0	122.2	*	*	123.9	70.1	*	63.9
August	88.5	30.1	118.6	*	*	121.9	74.2	*	62.2

TABLE 18. LABOUR FORCE STATUS, STATISTICAL REGIONS OF N. S. W.-continued

Sex and month	Employed		Unemployed		Labour force	Not in labour force	Unemployment rate	Participation rate
	Full-time workers ('000)	Part-time workers ('000)	Total ('000)	Looking for full-time work ('000)				
MANLY - WARRINGAH STATISTICAL REGION								
MALES - 1988: May	60.0	6.7	66.7	*	*	68.4	18.3	78.9
June	61.3	6.1	67.4	*	*	69.2	19.0	78.5
July	62.4	4.7	67.1	*	*	68.3	18.6	78.6
August	54.0	5.8	59.8	*	*	61.1	20.5	74.9
FEMALES - 1988: May	32.0	22.5	54.5	*	*	56.1	34.6	61.9
June	30.2	21.8	52.0	*	*	54.2	37.5	59.1
July	28.8	21.6	50.4	*	*	51.4	39.3	56.7
August	26.1	21.0	47.1	*	*	48.1	40.5	54.3
PERSONS - 1988: May	92.0	29.3	121.2	*	*	124.5	52.9	70.2
June	91.5	27.9	119.4	*	3.9	123.3	56.4	68.6
July	91.1	26.4	117.5	*	*	119.7	57.9	67.4
August	80.2	26.8	107.0	*	*	109.2	61.0	64.1
GOSFORD - WYONG STATISTICAL REGION								
MALES - 1988: May	40.6	*	44.5	*	*	48.8	32.7	59.9
June	42.6	*	45.9	*	*	49.8	29.8	62.6
July	43.9	*	47.3	*	*	51.5	27.6	65.1
August	43.6	*	47.0	6.3	6.3	53.3	31.3	63.0
FEMALES - 1988: May	14.2	12.7	26.9	*	6.0	32.9	58.8	35.9
June	14.7	12.7	27.5	*	*	31.4	58.2	35.1
July	15.6	11.6	27.2	*	*	30.1	58.8	33.9
August	15.6	14.0	29.6	*	*	32.8	58.8	35.8
PERSONS - 1988: May	54.8	16.6	71.4	7.3	10.3	81.7	91.5	47.2
June	57.4	16.0	73.4	6.8	7.8	81.2	88.0	48.0
July	59.5	15.0	74.5	6.2	7.1	81.6	86.4	48.6
August	59.2	17.4	76.6	8.7	9.4	86.0	90.1	48.9
HUNTER STATISTICAL REGION								
MALES - 1988: May	130.1	9.2	139.3	11.4	13.3	152.6	56.1	73.1
June	132.7	9.7	142.4	11.6	13.0	155.4	52.0	74.9
July	126.9	9.7	136.7	15.2	15.9	152.6	57.6	72.6
August	124.5	10.9	135.3	13.8	15.3	150.6	53.5	73.8
FEMALES - 1988: May	45.4	36.5	81.9	7.1	10.7	92.5	108.3	46.1
June	45.6	36.1	81.7	9.3	11.4	93.1	113.6	45.0
July	44.4	36.4	80.9	7.6	8.9	89.8	115.1	43.8
August	48.0	39.2	87.2	7.4	9.1	96.3	114.2	45.7
PERSONS - 1988: May	175.4	45.7	221.1	18.4	24.0	245.1	164.4	59.8
June	178.3	45.8	224.1	20.9	24.5	248.5	165.6	60.0
July	171.4	46.2	217.5	22.8	24.9	242.4	172.7	58.4
August	172.4	50.0	222.5	21.2	24.4	246.9	167.7	59.5
NEWCASTLE STATISTICAL REGION SECTOR								
MALES - 1988: May	106.3	8.3	114.6	9.3	11.2	125.8	47.6	72.5
June	109.3	8.6	117.9	11.3	12.3	130.1	46.4	73.7
July	103.9	7.8	111.8	14.5	15.2	127.0	51.1	71.3
August	103.3	10.3	113.7	13.6	14.5	128.2	48.4	72.6
FEMALES - 1988: May	37.0	30.8	67.8	6.0	9.3	77.1	92.6	45.4
June	39.0	28.1	67.0	8.2	9.5	76.6	98.4	43.8
July	37.5	28.6	66.1	6.8	7.9	74.0	99.3	42.7
August	38.7	32.8	71.4	7.1	8.8	80.3	97.8	45.1
PERSONS - 1988: May	143.3	39.1	182.5	15.2	20.5	203.0	140.3	59.1
June	148.2	36.6	184.9	19.5	21.8	206.7	144.8	58.8
July	141.4	36.4	177.8	21.3	23.1	200.9	150.3	57.2
August	142.0	43.1	185.1	20.7	23.3	208.4	146.1	58.8

TABLE 18. LABOUR FORCE STATUS, STATISTICAL REGIONS OF N. S. W.-continued

Sex and month	Employed			Unemployed		Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Unemployment rate (per cent)	Participation rate (per cent)
	Full-time workers ( <i>'000</i> )	Part-time workers ( <i>'000</i> )	Total ( <i>'000</i> )	Looking for full-time work ( <i>'000</i> )	Total ( <i>'000</i> )				
ILLAWARRA AND SOUTH EASTERN STATISTICAL REGIONS									
MALES - 1988: May	121.7	9.2	130.8	7.2	8.4	139.3	48.4	6.1	74.2
June	122.5	11.1	133.7	10.3	11.8	145.5	48.9	8.1	74.8
July	120.7	7.5	128.3	10.8	10.8	139.1	54.5	7.8	71.8
August	121.1	9.1	130.1	11.1	11.7	141.8	55.1	8.2	72.0
FEMALES - 1988: May	45.2	33.0	78.2	4.6	5.7	83.9	100.8	6.8	45.4
June	46.8	30.4	77.2	4.6	6.4	83.5	97.6	7.6	46.1
July	46.8	31.1	77.9	5.1	7.8	85.8	100.6	9.2	46.0
August	49.1	32.2	81.3	5.9	7.3	88.6	98.0	8.2	47.5
PERSONS - 1988: May	166.9	42.2	209.0	11.9	14.1	223.2	149.1	6.3	59.9
June	169.3	41.5	210.8	14.9	18.2	229.0	146.5	7.9	61.0
July	167.5	38.7	206.2	15.9	18.6	224.8	155.1	8.3	59.2
August	170.2	41.2	211.4	17.0	19.0	230.4	153.1	8.2	60.1
ILLAWARRA STATISTICAL REGION									
MALES - 1988: May	76.8	5.8	82.6	6.3	7.5	90.1	36.5	8.3	71.2
June	79.8	6.9	86.7	8.5	9.6	96.3	36.7	10.0	72.4
July	81.6	4.9	86.6	9.3	9.3	95.8	40.7	9.7	70.2
August	80.0	7.2	87.2	9.2	9.2	96.4	39.9	9.6	70.8
FEMALES - 1988: May	30.1	18.7	48.7	*	3.8	52.6	75.2	7.3	41.2
June	30.8	16.4	47.2	*	3.5	50.7	75.5	6.9	40.2
July	30.8	17.4	48.2	*	4.2	52.4	74.7	8.0	41.2
August	31.8	19.5	51.3	*	3.8	55.1	72.1	6.8	43.3
PERSONS - 1988: May	106.9	24.4	131.3	9.6	11.3	142.6	111.7	7.9	56.1
June	110.5	23.4	133.9	11.0	13.1	147.0	112.1	8.9	56.7
July	112.4	22.4	134.8	11.8	13.4	148.3	115.5	9.1	56.2
August	111.8	26.7	138.5	12.4	13.0	151.5	112.0	8.6	57.5
WOLLONGONG STATISTICAL REGION SECTOR									
MALES - 1988: May	59.0	3.9	62.9	5.1	5.8	68.7	24.5	8.4	73.7
June	60.1	4.8	64.9	5.9	6.8	71.7	25.8	9.5	73.5
July	59.3	3.5	62.8	6.4	6.4	69.2	28.0	9.3	71.2
August	59.1	5.5	64.6	5.6	5.6	70.2	25.2	8.0	73.6
FEMALES - 1988: May	22.1	11.8	33.9	*	*	36.5	54.3	*	40.2
June	23.4	10.1	33.4	*	2.9	36.3	54.3	7.9	40.1
July	22.9	11.3	34.1	*	3.6	37.7	53.2	9.5	41.5
August	22.2	12.3	34.5	*	3.2	37.7	51.3	8.5	42.4
PERSONS - 1988: May	81.1	15.7	96.8	7.1	8.3	105.1	78.9	7.9	57.1
June	83.5	14.8	98.3	7.8	9.7	108.0	80.1	9.0	57.4
July	82.1	14.8	96.9	9.0	10.0	106.9	81.2	9.4	56.8
August	81.3	17.7	99.0	8.3	8.8	107.9	76.4	8.2	58.5
RICHMOND - TWEED AND MID - NORTH COAST STATISTICAL REGIONS									
MALES - 1988: May	70.9	9.2	80.1	12.6	13.4	93.5	49.7	14.3	65.3
June	69.2	6.3	75.5	10.9	11.1	86.6	49.9	12.8	63.4
July	74.3	7.9	82.2	14.3	14.7	96.9	49.8	15.1	66.1
August	72.2	8.3	80.4	12.7	12.7	93.1	50.6	13.6	64.8
FEMALES - 1988: May	32.1	22.9	55.0	5.8	8.1	63.1	85.6	12.9	42.4
June	28.6	21.6	50.2	5.9	7.6	57.7	86.7	13.1	40.0
July	33.6	24.7	58.3	6.3	7.9	66.2	84.1	11.9	44.0
August	33.3	24.3	57.6	5.3	7.2	64.8	86.3	11.1	42.9
PERSONS - 1988: May	103.0	32.0	135.1	18.4	21.5	156.6	135.3	13.7	53.7
June	97.8	27.9	125.6	16.8	18.7	144.3	136.6	13.0	51.4
July	107.9	32.7	140.6	20.6	22.5	163.1	133.9	13.8	54.9
August	105.5	32.6	138.0	18.0	19.9	157.9	137.0	12.6	53.6

TABLE 18. LABOUR FORCE STATUS, STATISTICAL REGIONS OF N. S. W.-continued

Sex and month	Employed		Unemployed		Labour force ( <i>'000</i> )	Not in labour force ( <i>'000</i> )	Unemployment rate ( <i>per cent</i> )	Participation rate ( <i>per cent</i> )
	Full-time workers ( <i>'000</i> )	Part-time workers ( <i>'000</i> )	Total ( <i>'000</i> )	Looking for full-time work ( <i>'000</i> )				
NORTHERN, NORTH WESTERN AND CENTRAL WEST STATISTICAL REGIONS								
MALES - 1988: May	115.6	8.4	123.9	9.1	10.3	134.3	42.4	76.0
June	112.1	7.0	119.1	10.4	11.5	130.6	46.8	73.6
July	114.9	6.2	121.1	8.0	8.9	130.1	40.6	76.2
August	115.6	6.7	122.2	9.7	10.8	133.1	43.7	75.3
FEMALES - 1988: May	47.9	34.9	82.8	5.2	6.5	89.3	89.4	50.0
June	47.9	35.9	83.8	*	7.5	91.3	92.0	49.8
July	48.3	34.9	83.3	4.8	6.5	89.8	87.6	50.6
August	43.0	34.5	77.5	5.2	7.6	85.0	89.5	48.7
PERSONS - 1988: May	163.4	43.3	206.7	14.3	16.9	223.6	131.8	7.5
June	160.0	42.9	202.9	15.0	19.0	221.9	138.9	8.6
July	163.2	41.1	204.4	12.8	15.5	219.8	128.2	7.0
August	158.6	41.2	199.7	14.9	18.4	218.1	133.1	8.4
MURRAY - MURRUMBIDGEE STATISTICAL REGION								
MALES - 1988: May	69.8	*	74.3	*	*	78.8	15.4	*
June	70.2	5.2	75.3	*	5.3	80.6	14.3	6.6
July	71.3	*	74.6	*	*	78.6	14.3	*
August	64.7	5.8	70.5	*	*	73.5	18.8	*
FEMALES - 1988: May	24.8	20.0	44.7	*	5.7	50.4	46.1	11.2
June	22.1	23.5	45.6	*	*	49.9	46.0	*
July	21.9	20.9	42.8	*	*	47.0	47.9	*
August	21.3	20.1	41.5	*	*	44.5	47.6	*
PERSONS - 1988: May	94.5	24.5	119.0	9.1	10.2	129.2	61.4	7.9
June	92.3	28.7	121.0	7.8	9.6	130.5	60.3	7.3
July	93.2	24.2	117.5	7.6	8.2	125.7	62.2	6.5
August	86.0	25.9	111.9	5.8	6.1	118.0	66.4	5.2

TABLE 19. EMPLOYED PERSONS: AGE, STATISTICAL REGIONS OF N. S. W.  
( '000)

Region	Age group (years)							
	15 - 24		25 - 34		35 - 54		55 and over	
	August 1987	August 1988	August 1987	August 1988	August 1987	August 1988	August 1987	August 1988
Inner Sydney and Inner Western Sydney (SRs)	n.a.	33.5	n.a.	54.7	n.a.	67.6	n.a.	17.3
Inner Sydney (SR)	n.a.	19.6	n.a.	32.8	n.a.	41.7	n.a.	9.2
Eastern Suburbs (SR)	n.a.	22.2	n.a.	31.0	n.a.	44.1	n.a.	11.9
St George-Sutherland (SR)	n.a.	45.9	n.a.	50.3	n.a.	74.1	n.a.	19.0
Canterbury-Bankstown (SR)	n.a.	32.7	n.a.	36.4	n.a.	55.2	n.a.	12.1
Fairfield-Liverpool and Outer South Western Sydney (SRs)	n.a.	41.0	n.a.	52.4	n.a.	78.6	n.a.	10.9
Fairfield-Liverpool (SR)	n.a.	25.5	n.a.	35.6	n.a.	47.0	n.a.	6.7
Central Western Sydney (SR)	n.a.	28.0	n.a.	34.7	n.a.	55.0	n.a.	12.5
Outer Western Sydney (SR)	n.a.	23.9	n.a.	33.4	n.a.	46.7	n.a.	6.8
Blacktown-Baulkham Hills (SR)	n.a.	28.1	n.a.	34.5	n.a.	66.5	n.a.	12.3
Lower Northern Sydney (SR)	n.a.	28.1	n.a.	45.8	n.a.	50.0	n.a.	16.3
Hornsby-Ku-ring-gai (SR)	n.a.	22.1	n.a.	22.4	n.a.	58.4	n.a.	15.7
Manly-Warringah (SR)	n.a.	18.2	n.a.	23.0	n.a.	52.9	n.a.	12.9
Gosford-Wyong (SR)	n.a.	17.2	n.a.	18.7	n.a.	33.7	n.a.	7.0
Sydney (MSR)	322.6	340.9	433.9	437.4	645.6	682.7	152.4	154.7
Hunter (SR)	51.3	48.2	60.4	60.1	88.7	95.2	17.9	19.0
Newcastle (SRS)	46.7	40.8	52.9	51.6	79.1	79.4	15.0	13.2
Illawarra and South Eastern (SRs)	47.7	46.6	51.5	61.1	77.3	86.4	17.4	17.3
Illawarra (SR)	n.a.	29.0	n.a.	41.3	n.a.	56.8	n.a.	11.3
Wollongong (SRS)	28.0	21.6	27.4	29.9	41.1	40.2	9.9	7.4
Richmond-Tweed and Mid-North Coast (SRs)	22.6	27.7	28.2	37.1	56.7	61.4	13.5	11.9
Northern, North Western and Central West (SRs)	33.9	41.1	47.0	47.1	82.8	91.2	21.3	20.3
Murray-Murrumbidgee (SR)	22.0	21.5	27.4	30.7	51.2	44.0	9.9	15.8
Balance of New South Wales (MSR) (a)	178.5	189.2	217.4	237.8	359.5	382.5	80.4	85.0
NEW SOUTH WALES	501.2	530.1	651.3	675.2	1,005.1	1,065.2	232.8	239.7

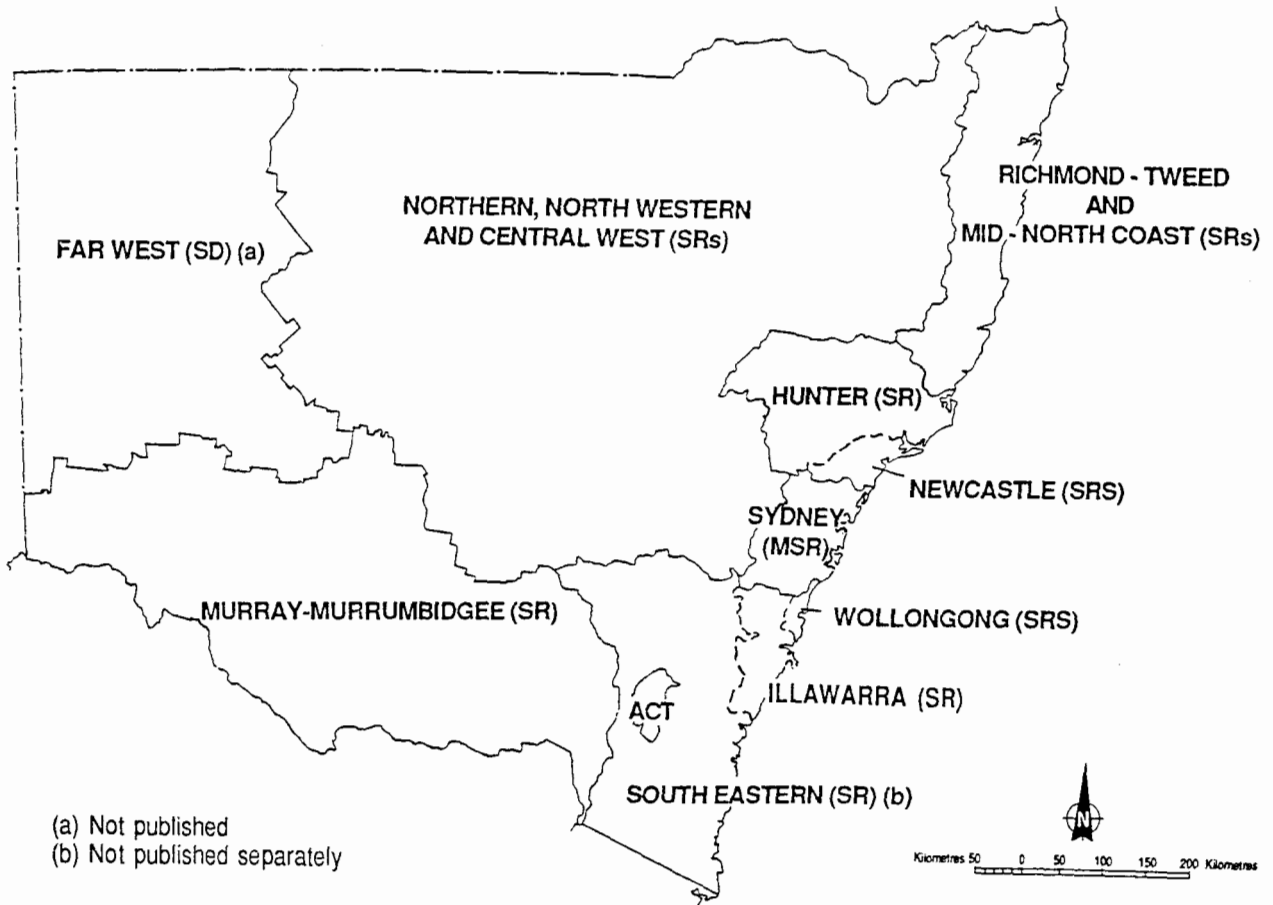
(a) Includes Far West Statistical Division.

TABLE 20. UNEMPLOYED PERSONS : UNEMPLOYMENT RATE BY AGE, STATISTICAL REGIONS OF N. S. W.

Region	Unemployed persons ('000)				Unemployment rate (per cent)			
	15 - 24		25 and over		15 - 24		25 and over	
	August 1987	August 1988	August 1987	August 1988	August 1987	August 1988	August 1987	August 1988
Inner Sydney and Inner Western Sydney (SRs)	n.a.	4.9	n.a.	9.4	n.a.	12.7	n.a.	6.3
Inner Sydney (SR)	n.a.	*	n.a.	6.8	n.a.	*	n.a.	7.5
Eastern Suburbs (SR)	n.a.	4.5	n.a.	*	n.a.	16.8	n.a.	*
St George-Sutherland (SR)	n.a.	*	n.a.	*	n.a.	*	n.a.	*
Canterbury-Bankstown (SR)	n.a.	*	n.a.	6.9	n.a.	*	n.a.	6.3
Fairfield-Liverpool and Outer South Western Sydney (SRs)	n.a.	11.2	n.a.	13.3	n.a.	21.4	n.a.	8.6
Fairfield-Liverpool (SR)	n.a.	8.2	n.a.	9.6	n.a.	24.4	n.a.	9.8
Central Western Sydney (SR)	n.a.	*	n.a.	4.3	n.a.	*	n.a.	4.1
Outer Western Sydney (SR)	n.a.	*	n.a.	4.2	n.a.	*	n.a.	4.7
Blacktown-Baulkham Hills (SR)	n.a.	*	n.a.	3.8	n.a.	*	n.a.	3.3
Lower Northern Sydney (SR)	n.a.	*	n.a.	*	n.a.	*	n.a.	*
Hornsby-Ku-ring-gai (SR)	n.a.	*	n.a.	*	n.a.	*	n.a.	*
Manly-Warringah (SR)	n.a.	*	n.a.	*	n.a.	*	n.a.	*
Gosford-Wyong (SR)	n.a.	*	n.a.	6.0	n.a.	*	n.a.	9.2
Sydney (MSR)	49.3	43.0	72.0	61.6	13.3	11.2	5.5	4.6
Hunter (SR)	14.6	13.3	15.9	11.1	22.2	21.6	8.7	6.0
Newcastle (SRS)	13.4	12.5	15.4	10.9	22.3	23.4	9.5	7.0
Illawarra and South Eastern (SRs)	7.8	8.0	10.1	10.9	14.1	14.7	6.5	6.2
Illawarra (SR)	n.a.	4.6	n.a.	8.4	n.a.	13.6	n.a.	7.2
Wollongong (SRS)	4.5	3.5	5.6	5.3	13.8	14.0	6.7	6.4
Richmond-Tweed and Mid-North Coast (SRs)	9.4	6.7	16.2	13.2	29.4	19.4	14.1	10.7
Northern, North Western and Central West (SRs)	7.9	9.3	9.6	9.1	18.9	18.4	6.0	5.4
Murray-Murrumbidgee (SR)	*	*	*	*	*	*	*	*
Balance of New South Wales (MSR) (a)	43.1	40.6	56.1	47.5	19.4	17.7	7.9	6.3
<b>NEW SOUTH WALES</b>	<b>92.4</b>	<b>83.6</b>	<b>128.1</b>	<b>109.1</b>	<b>15.6</b>	<b>13.6</b>	<b>6.4</b>	<b>5.2</b>

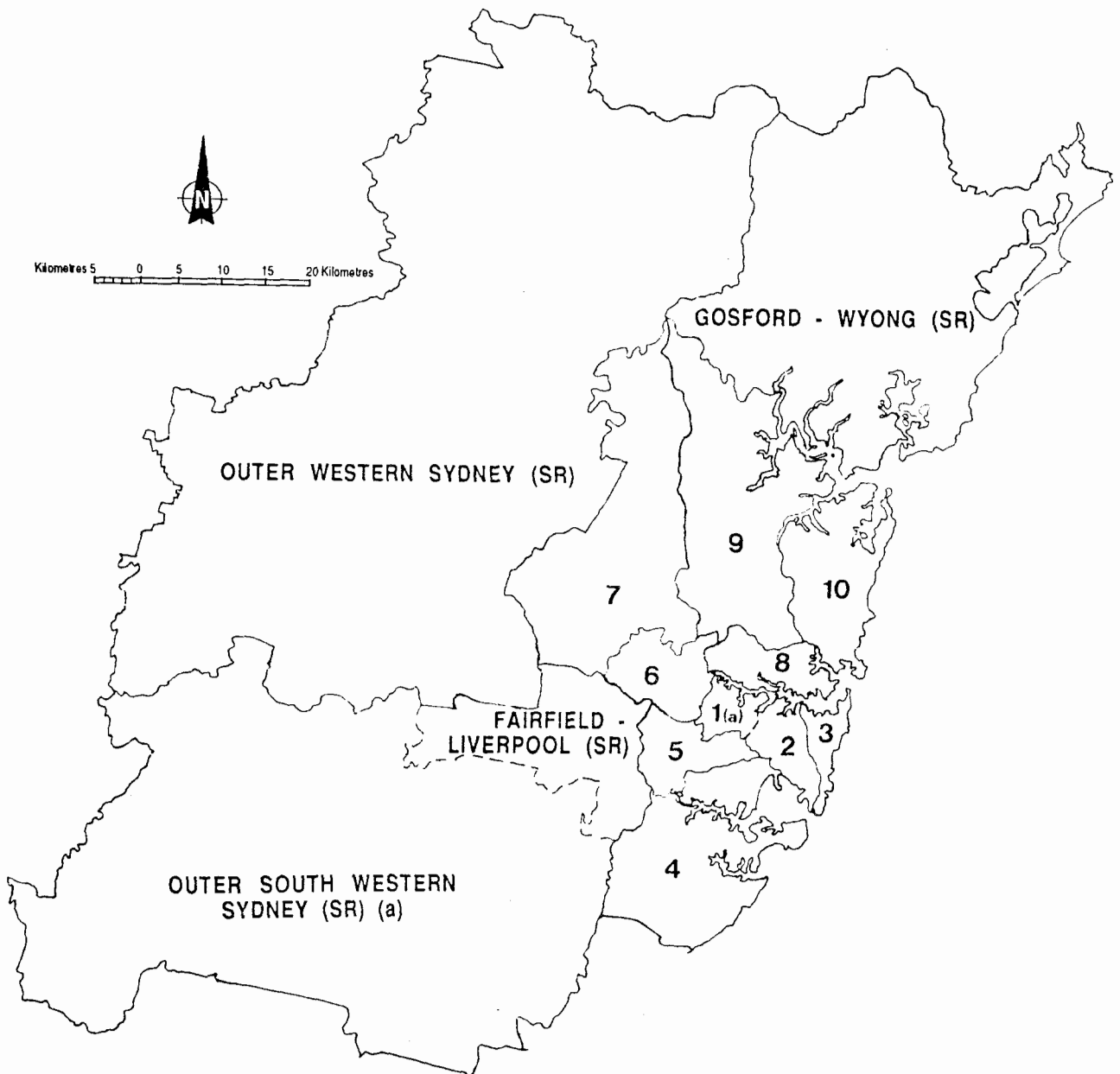
(a) Includes Far West Statistical Division.

## NEW SOUTH WALES STATISTICAL REGIONS





# SYDNEY STATISTICAL REGIONS



1. INNER WESTERN SYDNEY (SR) (a)
2. INNER SYDNEY (SR)
3. EASTERN SUBURBS (SR)
4. ST GEORGE - SUTHERLAND (SR)
5. CANTERBURY - BANKSTOWN (SR)

6. CENTRAL WESTERN SYDNEY (SR)
7. BLACKTOWN - BAULKHAM HILLS (SR)
8. LOWER NORTHERN SYDNEY (SR)
9. HORNSBY - KU-RING-GAI (SR)
10. MANLY - WARRINGAH (SR)

(a) Not published separately

## TECHNICAL NOTE ON DATA RELIABILITY

### Sources of error

There are a number of possible sources of error in sample surveys and these can be classified into two types: *sampling error*; and *non-sampling error*.

### Non-sampling errors

2. Non-sampling errors may arise as a result of errors in the reporting, recording or processing of the data and can occur even if there is a complete enumeration of the population. Non-sampling errors can be introduced through: inadequacies in the questionnaire; non-response; inaccurate reporting by respondents; errors in the application of survey procedures; incorrect recording of answers; and errors in data entry and processing.

3. It is difficult to measure the size of the non-sampling errors and the extent of these errors could vary considerably in significance from survey to survey, and from question to question. However, every effort is made in the design of the survey and development of survey procedures to minimise the effect of these errors.

### Sampling errors

4. Sampling error is the error which occurs by chance because the data were only obtained from a sample, not the entire population.

### Standard error of estimates

5. One measure of the variability of estimates which occurs as a result of surveying only a sample of the

population is the *standard error* (SE). There are about two chances in three that a survey estimate is within one standard error of the figure that would have been obtained if all persons had been included and about nineteen chances in twenty that it is within two standard errors. That is, there are 19 chances in 20 that the true estimate is in the range -

$$X - 2 \times SE(X) \text{ to } X + 2 \times SE(X)$$

(where X is the estimate)

The standard error of an estimate can be obtained from Table A. Linear interpolation should be used to calculate the standard error of estimates falling between the sizes of estimates listed in the table (see example below Table A).

### Relative standard errors

6. The standard error can also be expressed as a percentage of the estimate and this is known as the *relative standard error* (RSE). The RSE is determined by dividing the standard error of an estimate SE(X) by the estimate X and expressing it as a percentage. That is,

$$RSE(X) = \frac{SE(X) \times 100}{X}$$

(where X is the estimate)

7. The look up list on the following page provides a guide for the calculation of standard errors and relative standard errors for a range of statistics.

## METHODS FOR CALCULATING THE STANDARD ERRORS FOR SELECTED ESTIMATES

<i>Measure of reliability to be determined</i>	<i>Method</i>
Standard errors of estimates of employed persons.	Determine the SE from Table A directly.
Standard errors of estimates of unemployed persons.	Multiply the SE from Table A by 1.06.
Standard errors of estimates of persons not in the labour force.	Multiply the SE from Table A by 1.1.
Standard errors of rates (eg the unemployment rate which is based on the number of unemployed persons expressed as a percentage of the number of persons in the labour force).	Determine the RSE of the numerator (X) and the denominator (Y) then apply the following formula. $RSE(X/Y) = \sqrt{[RSE(X)]^2 + [RSE(Y)]^2}$
Standard error of average duration of unemployment.	Determine the RSE for the number of persons on which the average is based and multiply this by 1.3.
Standard error of median duration of unemployment.	Determine the RSE for the number of persons on which the average is based and multiply this by 2.0.
Standard error of monthly movements.	Using Table B, look up the SE of the larger estimate.
Standard error of quarterly movements.	Determine the standard error of the larger estimate (using Table A) and multiply this by 1.22.
Standard error of annual movements.	Determine the standard error of the larger estimate (using Table A) and multiply this by 1.3.

TABLE A: STANDARD ERRORS OF ESTIMATES, STATISTICAL REGIONS OF NEW SOUTH WALES

Size of estimate	Regions in Sydney (MSR)							
	NSW; Sydney; Balance of NSW	Inner Sydney and Inner Western Sydney; Inner Sydney	Eastern Suburbs	St George-Sutherland; Canterbury-Bankstown	Fairfield-Liverpool and Outer South Western Sydney; Fairfield-Liverpool	Central Western Sydney; Outer Western Sydney; Blacktown-Baulkham Hills	Lower Northern Sydney; Hornsby-Ku-ring-gai; Manly-Warringah	Gosford-Wyong
3,000	-	-	-	-	-	-	-	-
4,000	-	-	920	1,000	950	910	920	-
4,500	1,100	-	980	1,050	1,000	970	980	-
5,000	1,150	1,200	1,050	1,100	1,050	1,000	1,050	1,200
6,000	1,250	1,300	1,150	1,200	1,150	1,100	1,150	1,350
8,000	1,400	1,550	1,300	1,400	1,350	1,300	1,300	1,550
10,000	1,550	1,700	1,450	1,600	1,500	1,450	1,450	1,700
20,000	2,100	2,400	2,100	2,250	2,150	2,050	2,100	2,450
30,000	2,500	3,000	2,550	2,750	2,600	2,500	2,550	3,000
40,000	2,850	3,450	2,950	3,200	3,050	2,900	2,950	3,450
50,000	3,150	3,850	3,300	3,550	3,400	3,250	3,300	3,900
100,000	4,150	5,500	4,700	5,000	4,800	4,600	4,700	5,500
200,000	5,400	7,700	6,600	7,100	6,800	6,500	6,600	-
300,000	6,400	9,500	-	8,800	8,300	8,000	-	-
500,000	7,700	-	-	-	-	-	-	-
1,000,000	9,800	-	-	-	-	-	-	-
2,000,000	12,400	-	-	-	-	-	-	-
5,000,000	16,700	-	-	-	-	-	-	-

Size of estimate	Regions in Balance of New South Wales (MSR)						
	Hunter	Newcastle	Illawarra and South Eastern; Illawarra	Wollongong	Richmond-Tweed and Mid-North Coast	Northern, North Western and Central West	Murray-Murrumbidgee
3,000	-	-	-	710	-	-	-
4,000	-	-	920	820	-	-	-
4,500	1,100	1,050	980	850	-	-	-
5,000	1,150	1,150	1,050	920	1,200	1,200	-
6,000	1,250	1,250	1,150	1,000	1,350	1,350	1,400
8,000	1,450	1,450	1,300	1,150	1,550	1,550	1,600
10,000	1,650	1,600	1,450	1,300	1,700	1,750	1,800
20,000	2,350	2,300	2,100	1,850	2,450	2,450	2,550
30,000	2,850	2,800	2,550	2,250	3,000	3,000	3,100
40,000	3,300	3,250	2,950	2,650	3,450	3,450	3,600
50,000	3,700	3,600	3,300	2,950	3,850	3,900	4,050
100,000	5,300	5,100	4,650	4,150	5,500	5,500	5,700
200,000	7,400	7,300	6,600	5,900	7,700	7,800	8,100
300,000	9,100	8,900	8,100	-	-	-	-
500,000	-	-	-	-	-	-	-
1,000,000	-	-	-	-	-	-	-
2,000,000	-	-	-	-	-	-	-
5,000,000	-	-	-	-	-	-	-

### Linear interpolation

Linear interpolation is used to determine the standard error of an estimate which falls between two values listed in the *size of estimate* column in Tables A or B. Linear interpolation is best described using an example. In May 1988, there were 644,300 ( $X_e$ ) employed females working full-time in New South Wales. This estimate falls between the values 500,000 ( $X_l$ ) and 1,000,000 ( $X_u$ ) in Table A.

The standard error of the estimate is determined as follows.

$$\begin{aligned}
 \text{Firstly, calculate } F &= \frac{X_e - X_l}{X_u - X_l} \\
 &= \frac{644,300 - 500,000}{1,000,000 - 500,000} \\
 &= 0.2886
 \end{aligned}$$

Secondly, calculate the standard error of the estimate,  $SE(X_e)$  thus,

$$\begin{aligned}
 SE(X_e) &= SE(X_l) + F \times [SE(X_u) - SE(X_l)] \\
 &= 7,700 + 0.2886 \times [9,800 - 7,700] \\
 &= 8,306 \\
 &= 8,300 \text{ rounding to the nearest 100.}
 \end{aligned}$$

Therefore the standard error of the number of employed females working full-time in New South Wales (644,300) is 8,300.

TABLE B: STANDARD ERRORS OF MONTH TO MONTH MOVEMENTS, STATISTICAL REGIONS OF NEW SOUTH WALES

Size of estimate	Regions in Sydney (MSR)							
	NSW; Sydney; Balance of NSW	Inner Sydney and Inner Western Sydney; Inner Sydney	Eastern Suburbs	St George-Sutherland; Canterbury-Bankstown	Fairfield-Liverpool and Outer South Western Sydney; Fairfield-Liverpool	Central Western Sydney; Outer Western Sydney; Blacktown-Baulkham Hills	Lower Northern Sydney; Hornsby-Kuring-gai; Manly-Warringah	Gosford-Wyong
3,000	-	-	-	-	-	-	-	-
4,000	-	-	820	790	570	780	820	-
4,500	980	-	860	820	600	810	860	-
5,000	1,000	900	900	860	620	850	900	690
6,000	1,100	970	960	920	670	900	960	740
8,000	1,200	1,100	1,100	1,050	750	1,000	1,100	830
10,000	1,350	1,200	1,200	1,150	820	1,100	1,200	910
20,000	1,750	1,550	1,550	1,500	1,100	1,450	1,550	1,200
30,000	2,050	1,850	1,800	1,750	1,250	1,750	1,800	1,400
40,000	2,300	2,050	2,050	1,950	1,400	1,950	2,050	1,600
50,000	2,500	2,250	2,250	2,150	1,550	2,100	2,250	1,700
100,000	3,250	2,950	2,950	2,800	2,050	2,800	2,950	2,250
200,000	4,250	3,900	3,850	3,700	2,700	3,650	3,850	-
300,000	5,000	4,550	-	4,350	3,150	4,300	-	-
500,000	6,100	-	-	-	-	-	-	-
1,000,000	8,000	-	-	-	-	-	-	-
2,000,000	10,400	-	-	-	-	-	-	-
5,000,000	14,900	-	-	-	-	-	-	-

Regions in Balance of New South Wales (MSR)

Size of estimate	Hunter	Newcastle	Illawarra and South Eastern; Illawarra	Wollongong	Richmond-Tweed and Mid-North Coast	Northern, North Western and Central West	Murray-Murrumbidgee
3,000	-	-	-	510	-	-	-
4,000	-	-	770	570	-	-	-
4,500	850	810	800	600	-	-	-
5,000	890	840	840	620	880	920	-
6,000	950	910	900	670	940	990	940
8,000	1,050	1,000	1,000	750	1,050	1,100	1,050
10,000	1,150	1,100	1,100	820	1,150	1,200	1,150
20,000	1,550	1,450	1,450	1,100	1,500	1,600	1,500
30,000	1,800	1,700	1,700	1,250	1,800	1,900	1,800
40,000	2,000	1,900	1,900	1,400	2,000	2,100	2,000
50,000	2,200	2,100	2,100	1,550	2,200	2,300	2,200
100,000	2,900	2,750	2,750	2,050	2,900	3,000	2,850
200,000	3,800	3,650	3,600	2,700	3,800	4,000	3,800
300,000	4,500	4,250	4,250	-	-	-	-
500,000	-	-	-	-	-	-	-
1,000,000	-	-	-	-	-	-	-
2,000,000	-	-	-	-	-	-	-
5,000,000	-	-	-	-	-	-	-

# APPENDIX. STATISTICAL REGIONS OF NEW SOUTH WALES AND THEIR STATISTICAL LOCAL AREAS

## SYDNEY MAJOR STATISTICAL REGION (MSR)

### INNER SYDNEY AND INNER WESTERN SYDNEY STATISTICAL REGIONS

#### INNER SYDNEY STATISTICAL REGION

Botany (M)  
 Leichhardt (M)  
 Marrickville (M)  
 Sydney (C) - Inner  
 Sydney (C) - Remainder

#### INNER WESTERN SYDNEY STATISTICAL REGION (b)

Ashfield (M)  
 Burwood (M)  
 Concord (M)  
 Drummoyne (M)  
 Strathfield (M)

#### EASTERN SUBURBS STATISTICAL REGION

Randwick (M)  
 Waverley (M)  
 Woollahra (M)

#### ST GEORGE-SUTHERLAND STATISTICAL REGION

Hurstville (M)  
 Kogarah (M)  
 Rockdale (M)  
 Sutherland (S)

#### CANTERBURY-BANKSTOWN STATISTICAL REGION

Bankstown (C)  
 Canterbury (M)

### FAIRFIELD-LIVERPOOL AND OUTER SOUTH WESTERN SYDNEY STATISTICAL REGIONS

#### FAIRFIELD-LIVERPOOL STATISTICAL REGION

Fairfield (C)  
 Liverpool (C)

#### OUTER SOUTH WESTERN SYDNEY STATISTICAL REGION (b)

Camden (M)  
 Campbelltown (C)  
 Wollondilly (S)

#### CENTRAL WESTERN SYDNEY STATISTICAL REGION

Auburn (M)  
 Holroyd (M)  
 Parramatta (C)

#### OUTER WESTERN SYDNEY STATISTICAL REGION

Blue Mountains (C)  
 Hawkesbury (S)  
 Penrith (C)

#### BLACKTOWN-BAULKHAM HILLS STATISTICAL REGION

Baulkham Hills (S)  
 Blacktown (C)

#### LOWER NORTHERN SYDNEY STATISTICAL REGION

Hunter's Hill (M)

Lane Cove (M)  
 Mosman (M)  
 North Sydney (M)  
 Ryde (M)  
 Willoughby (M)

#### HORNSBY-KU-RING-GAI STATISTICAL REGION

Hornsby (S)  
 Ku-ring-gai (M)

#### MANLY-WARRINGAH STATISTICAL REGION

Manly (M)  
 Warringah (S)

#### GOSFORD-WYONG STATISTICAL REGION

Gosford (C)  
 Wyong (S)

### BALANCE OF NEW SOUTH WALES MAJOR STATISTICAL REGION (MSR)

#### HUNTER STATISTICAL REGION

##### *Newcastle Statistical Region Sector*

Cessnock (C)  
 Lake Macquarie (C)  
 Maitland (C)  
 Newcastle (C) - Inner  
 Newcastle (C) - Remainder  
 Port Stephens (S)

##### *Hunter SD Balance Statistical Region Sector (b)*

Dungog (S)  
 Gloucester (S)  
 Great Lakes (S)  
 Merriwa (S)  
 Murrurundi (S)  
 Muswellbrook (S)  
 Scone (S)  
 Singleton (S)

### ILLAWARRA AND SOUTH EASTERN STATISTICAL REGIONS

#### ILLAWARRA STATISTICAL REGION

##### *Wollongong Statistical Region Sector*

Kiama (M)  
 Shellharbour (M)  
 Wollongong (C)

##### *Illawarra SD Balance Statistical Region Sector (b)*

Shoalhaven (C)  
 Wingecarribee (S)

#### SOUTH EASTERN STATISTICAL REGION (b)

Bega Valley (S)  
 Bombala (S)  
 Boorowa (S)  
 Cooma-Monaro (S)  
 Crookwell (S)  
 Eurobodalla (S)  
 Goulburn (C)  
 Gunning (S)  
 Harden (S)  
 Mulwaree (S)  
 Queanbeyan (C)  
 Snowy River (S)

Tallaganda (S)  
 Yarrowlunla (S)  
 Yass (S)  
 Young (S)

### **RICHMOND-TWEED AND MID-NORTH COAST STATISTICAL REGIONS**

#### **RICHMOND-TWEED STATISTICAL REGION (b)**

Ballina (S)  
 Byron (S)  
 Casino (M)  
 Kyogle (S)  
 Lismore (C)  
 Richmond River (S)  
 Tweed (S) - Pt A  
 Tweed (S) - Pt B

#### **MID-NORTH COAST STATISTICAL REGION (b)**

Bellingen (S)  
 Coffs Harbour (C)  
 Copmanhurst (S)  
 Grafton (C)  
 Greater Taree (C)  
 Hastings (M)  
 Kempsey (S)  
 Maclean (S)  
 Nambucca (S)  
 Nymboida (S)  
 Ullmarra (S)  
 Lord Howe Island

### **NORTHERN, NORTH WESTERN AND CENTRAL WEST STATISTICAL REGIONS**

#### **NORTHERN STATISTICAL REGION (b)**

Armidale (C)  
 Barraba (S)  
 Bingara (S)  
 Dumaresq (S)  
 Glen Innes (M)  
 Gunnedah (S)  
 Guyra (S)  
 Inverell (S) - Pt A  
 Inverell (S) - Pt B  
 Manilla (S)  
 Moree Plains (S)  
 Narrabri (S)  
 Nundle (S)  
 Parry (S)  
 Quirindi (S)  
 Severn (S)  
 Tamworth (C)  
 Tenterfield (S)  
 Uralla (S)  
 Walcha (S)  
 Yallaro (S)

#### **NORTH WESTERN STATISTICAL REGION (a) (b)**

Bogan (S)  
 Bourke (S)  
 Brewarrina (S)  
 Cobar (S)  
 Coolah (S)  
 Coonabarabran (S)  
 Coonamble (S)  
 Dubbo (C)  
 Gilgandra (S)  
 Mudgee (S)  
 Narromine (S)  
 Walgett (S)

Warren (S)  
 Wellington (S)

#### **CENTRAL WEST STATISTICAL REGION (b)**

Bathurst (C)  
 Bland (S)  
 Blayney (S) - Pt A  
 Blayney (S) - Pt B  
 Cabonne (S) - Pt A  
 Cabonne (S) - Pt B  
 Cabonne (S) - Pt C  
 Cowra (S)  
 Evans (S) - Pt A  
 Evans (S) - Pt B  
 Forbes (S)  
 Greater Lithgow (C)  
 Lachlan (S)  
 Oberon (S)  
 Orange (C)  
 Parkes (S)  
 Rylstone (S)  
 Weddin (S)

#### **MURRAY-MURRUMBIDGEE STATISTICAL REGION**

Albury (C)  
 Balranald (S)  
 Berrigan (S)  
 Carrathool (S)  
 Conargo (S)  
 Coolamon (S)  
 Cootamundra (S)  
 Corowa (S)  
 Culcairn (S)  
 Deniliquin (M)  
 Griffith (C)  
 Gundagai (S)  
 Hay (S)  
 Holbrook (S)  
 Humie (S)  
 Jerilderie (S)  
 Junee (S)  
 Leeton (S)  
 Lockhart (S)  
 Murray (S)  
 Murrumbidgee (S)  
 Narrandera (S)  
 Temora (S)  
 Tumbarumba (S)  
 Tumut (S)  
 Urana (S)  
 Wagga Wagga (C)  
 Wakool (S)  
 Wentworth (S)  
 Windouran (S)

#### **FAR WEST STATISTICAL DIVISION (a) (b)**

Broken Hill (C)  
 Central Darling (S)  
 Unincorp Far West  
 Off-Shore Areas & Migratory

(a) Under the ASGC statistical region structure, the Statistical Local Areas comprising the Far West Statistical Division are included in the North Western Statistical Region.

(b) Labour force statistics are not published separately for these regions.

## PUBLICATIONS ISSUED BY AUSTRALIAN BUREAU OF STATISTICS (SYDNEY)

The ABS issues a large range of publications presenting statistics relating to New South Wales. All of these are obtainable from the Australian Bureau of Statistics, St. Andrew's House, Sydney Square (George Street, next to Sydney Town Hall), Sydney.

The *New South Wales Year Book* presents a comprehensive statistical survey of the social, demographic, and economic structure and growth of the State, and describes the legislative provisions and administrative arrangements which are of significance for a proper interpretation and analysis of the statistics of the State. The *Pocket Year Book* and *New South Wales in Brief* contain a wide range of statistical and other material in compact form and are useful for handy reference. More recent statistics are available in the *Monthly Summary of Statistics*. *Regional Statistics* presents a selection of the more important statistics available for geographical areas of the State. More detailed statistics relating to matters treated generally in the above publications are available in the various *subject bulletins*, which range from preliminary monthly statements to detailed bulletins presenting the results of periodic censuses, etc. The date of release and current price of the more important bulletins issued by this Office appears below.

Catalogue No.	Publication	Month of issue	Price (\$) incl. postage within Australia
<b>GENERAL</b>			
1301.1	New South Wales Year Book, No. 71, 1988 (hardcover) (Special Bicentennial Issue)	June 1988	38.00
1302.1	Pocket Year Book of New South Wales, 1988	June 1988	6.50
1303.1	New South Wales in Brief	June 1988	Free
1304.1	Regional Statistics, New South Wales, 1987	Feb. 1987	3.40
1305.1	Monthly Summary of Statistics, September 1988	Sep. 1988	7.50
<b>POPULATION AND VITALS</b>			
3101.1	Population and Migration, 1985	Apr. 1987	1.80
3208.1	Estimated Resident Population and Components of Change in Population of Statistical Local Areas, 1981 to 1986	May 1988	7.50
3209.1	Age and Sex Distribution of the Estimated Resident Population of Statistical Local Areas, 1986	Jan. 1988	7.50
3210.1	Estimated Resident Population of Statistical Local Areas, at 30 June, 1986 (fin.) and 1987 (prel.)	May 1988	5.00
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3303.1	Perinatal Deaths, 1986	Mar. 1988	5.00
3304.1	Divorces, 1987	June 1988	5.00
3305.1	Marriages, 1987	June 1988	5.00
3306.1	Births, 1986	Jan. 1988	7.50
3307.1	Deaths, 1986	Feb. 1988	7.50
<b>SOCIAL</b>			
4111.1	Information Paper: Time Use Pilot Survey, Sydney, May-June 1987	May 1988	15.00
4202.1	Schools, 1987	Oct. 1988	5.00
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